

#### Legend

Recommended RouteRail Network

Muni Metro Stations
 BART Stations
 Caltrain Stations

# Proposed Changes $\cancel{VC}$ TS LM PR TSC PI

### Overview

The 14 Mission local service is complimented by the 14L and the 14X routes which carry more than 46,000 total customers on an average weekday. The 49 Van Ness-Mission carries more than 24,600 customers per average weekday, approximately half of which are boarding on Mission Street. The project study area is the approximately seven and a half mile stretch of Mission Street between Steuart Street near the Ferry Building and San Jose Avenue in Daly City.

Within the study area, the 14 Mission operates at an average speed of six miles per hour. There are 50 transit stops in the inbound direction and 52 transit stops in the outbound direction. The average transit stop spacing along the route is 791 feet, with stops located about every one or two blocks. The 14L limited stops are spaced approximately 1880 feet apart, and allow customers to travel through the corridor while stopping less frequently.

The main causes of delay to the 14 Mission include long passenger boarding and alighting times, friction between parking and loading vehicles, double-parked vehicles, getting stuck behind right-turning cars, narrow lanes, and areas of closely spaced transit stops.

- No route changes proposed.
- Proposed conversion from trolley to motor coach.
- TTRP.14 is also proposed for this corridor to reduce transit travel time.
- TTPI.1 also proposes a new pedestrian bulb at the northwest corner of Ocean Avenue and Mission Street (see Route 29).

### Travel Time Reduction Proposal

In order to reduce transit travel times and improve reliability, the SFMTA proposes a toolkit of measures within the study area. The proposals include:

- Reconfiguring roadway:
  - Segment 2 Moderate Variant 1: Create wider travel lanes through peak-hour tow-away and create transit-only lanes in both directions (Duboce to Cesar Chavez). In the Inner Mission district, peak-hour tow-away lanes can reduce delay by providing wider lanes for buses to travel through the corridor and removing the friction between buses and parked cars and loading vehicles. This proposal is similar to the existing peak-hour tow-away restrictions and transit-only lanes on Mission Street in the Downtown area.

- **Segment 2 Moderate Variant 2**: Create transit-only lanes through parking removal (Duboce to Cesar Chavez). In the Inner Mission district, removing parking on one side of the street can reduce delay by providing wider lanes for buses to travel. With wider lanes, transit-only lanes can be created in both directions to save significant travel time for the 14 Mission by giving the bus its own exclusive lane.
- Segment 2 Expanded Variant: Create transit-only lanes through lane reduction (Duboce to Cesar Chavez). In the Inner Mission District, reducing the northbound direction from two to one general traffic lanes can reduce delay by providing wider lanes for buses to travel. With wider lanes, a southbound transit-only lane can be created to save significant travel time for the 14 Mission by giving the bus its own exclusive lane.
- Segment 3 Moderate Variant: Create peak-hour tow-away lanes to reduce parking friction (Cesar Chavez to Randall and Silver to Geneva). South of Cesar Chavez, peak-hour tow-away lanes can reduce delay by providing wider lanes for buses to travel through the corridor and removing the friction between buses and parked cars and loading vehicles. This proposal is similar to the existing peak-hour tow-away restrictions and transit-only lanes on Mission Street in the Downtown area
- Segment 3 Expanded Variant: Create transit-only lanes through lane conversion (Cesar Chavez to Randall and Silver to Geneva). South of Cesar Chavez Street, Mission Street is six feet wider than in the northern portion of the corridor. Transit-only lanes can be created by converting a general traffic lane to transit-only in order to save significant travel time for the 14 Mission by giving the bus its own exclusive lane.
- Create right-turn pockets at key intersections. Right-turn pockets can reduce delay by giving turning vehicles their own lane to wait for pedestrians to cross before completing right turns, allowing buses to pass through the intersection without missing the green light. This proposal is not compatible with Segment 2 Moderate Variant 2.
- Convert side-running transit-only lanes to center-running transit-only lanes between 1st and 6th streets. In areas of high traffic congestion, center-running transit-only lanes can save significant travel time for the 14 Mission by giving the bus its own exclusive lane in the center of the road. This would allow the bus to avoid the delay caused by right-turning vehicles, cars trying to park and wide delivery trucks. This proposal is compatible with the Transit Center District Plan.
- Adding transit boarding islands at six intersections. Transit boarding islands would be installed at six intersections where center-running transit-only lanes are proposed in order to allow the buses in the center lanes to serve bus stops without having to return to the curbside lanes.
- Creating signalized transit queue jumps at two locations. Signalized queue jumps allow a transit vehicle to proceed through an intersection during its own green-light phase, ahead of

the lines of auto traffic waiting at a red light.

- Increasing bus stop spacing from one to two blocks. Currently, the 14 Mission stops at almost every block in many portions of the Mission corridor. This proposal moves towards at least a two-block spacing. By stopping fewer times, the bus would take less time to move through the corridor.
- Optimizing transit stop locations at six intersections. Relocating bus stops from the near-side to the far-side of intersections would allow buses to take advantage of planned transit signal priority improvements.
- Adding transit bulbs at seven intersections. Transit bulbs are sidewalk extensions alongside bus stops that allow buses to pick-up and drop-off customers without having to pull out of the travel lane into a bus stop and then wait for a gap to merge back into traffic. Transit bulbs enhance the ability of buses to take advantage of planned all-door boarding and provide space for transit shelters and other customer amenities.
- Extending existing transit stops at two locations. Some Limited transit stops on Mission Street are currently sized for one articulated 60' bus. Often times due to the high frequency of transit service in this corridor, two or more buses will arrive at a stop at the same time, delaying the second vehicle as it waits to service the stop. With a longer transit stop, up to two articulated 60' buses would be able to serve the stop at the same time, reducing delays.
- Replacing all-way STOP-controlled intersections with traffic signals at two intersections. Installing traffic signals at locations would allow buses to take advantage of planned transit signal priority improvements.
- Turn Restrictions at 14 intersections. Extending the hours of existing left-turn restrictions can
  reduce traffic delay by ensuring that auto traffic does not block intersections while waiting to
  turn left. A right-turn-only lane on Mission and 1st streets would allow the northbound transitonly lane to continue to the future Transbay Terminal area.

#### Summary

Together, the proposed changes are anticipated to reduce the travel time of the 14 Mission by about 8-10 minutes in each direction (16-20 minutes total) within the study area (12-14 percent reduction), improving the average operating speed to 7-8 miles per hour and improving service reliability. Transit signal priority improvements are anticipated to save an additional four minutes in each direction. Other changes such as operational improvements and network enhancements would further improve travel times along the corridor and add valuable customer amenities such as NextBus displays. The travel time savings would also reduce operating costs on the line and allow for service to be cost effectively increased.

### Frequency

Service during peak periods (headway between vehicles, in minutes)

North of Lowell Street

	Current	Proposed	Frequency
AM	7.5	7.5	=
РМ	7.5	7.5	=

South of Lowell Street

	Current	Proposed	Frequency
AM	15	15	=
РМ	15	15	=

### Finance

Route	/ Fund Source	FY12-13	FY13-14	FY14-15	FY15-16	FY16-17	FY17-18	Total
14 Miss	ion							\$33,988,875
TEP	CCSF-GOBond			\$1,850,000	\$16,238,875			\$18,088,875
Capital Seg. 1	Total			\$1,850,000	\$16,238,875			\$18,088,875
TEP Capital	MTC-TPI(MC)		\$240,000	\$1,440,000				\$1,680,000
Seg. 2	Total		\$240,000	\$1,440,000				\$1,680,000
TEP Capital Seg. 3	CCSF-GOBond MTC-TPI(MC)		\$540,000	\$3,240,000				\$3,240,000 \$540,000
	Total		\$540,000	\$3,240,000				\$3,780,000
TEP Supportive	Caltrans-Prop1B(LL) MTC-TPI(MC)	\$5,056,891 \$5,383,109						\$5,056,891 \$5,383,109
	Total	\$10,440,000						\$10,440,000

# 14L Mission Limited



#### Legend

Recommended Route
 Rail Network

Muni Metro Stations
 BART Stations
 Caltrain Stations



### Overview

- No route changes proposed.
- Route would operate as a trolley coach service, replacing current motor coach service, along with the 49L Van Ness-Mission Limited. The 14 Mission Local would be converted to motor coach to allow limited-stop services to pass local services.
- TTRP.14 is also proposed for this corridor to reduce transit travel time.

### Frequency

	Current	Proposed	Frequency
AM	9	7.5	+
РМ	9	7.5	+

### 14L Mission Limited







#### 14 / 14L Mission Segment Proposal - Inner Mission

14 / 14L Mission Segment Proposal - South of Cesar Chavez



# **14X Mission Express**



#### Legend





#### **Proposed Changes**



### Overview

- No route changes proposed.
- TTRP.14 is also proposed for this corridor to reduce transit travel time

### Frequency

	Current	Proposed	Frequency
AM	8	7.5	+
РМ	10	7.5	+

# 16X Noriega



Rail Network

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Express Segment (No stops)

Potential Route Variation

**BART Stations** 

Caltrain Stations

0

# 16X Noriega

#### Overview

- Route would be extended to Market and Spear streets in the Financial District (currently terminates at Fourth Street).
- Extension would run in the a.m. inbound from Golden Gate Avenue to Market and Spear streets, and in the p.m. outbound from Mission, Main and Market streets to Turk Street.
- To create a 100-foot-long terminal layover space during the peak period, a peak tow-away zone from 4 to 6 p.m. would be adopted on the south side of Mission Street between Steuart and Spear streets. This would require a reduction of up to five parking spaces during the peak period.
- Under existing conditions, the outbound route operates on 23rd Avenue between Lincoln Way and Noriega Street, and inbound on 22nd Avenue. The proposed 16X Service Variant would operate two-way inbound/outbound service on 22nd Avenue to provide better connections to the N Judah.

### Frequency

	Current	Proposed	Frequency
AM	9	9	=
РМ	9	9	_

# **17 Park Merced**





#### Legend

- **Recommended Route** Segment will be covered by another recommended route
  - Segment Proposed for Elimination Rail Network
- Muni Metro Stations **BART Stations** 
  - Caltrain Stations

# **Proposed Changes**



- Revised Proposal



#### **Proposed Changes**



#### Overview

- Would replace existing Route 18 46th Avenue segment around Lake Merced via John Muir Drive and Skyline Boulevard. The Daly City portion of the route would make limited stops at key destinations.
- One-way loop on Arballo, Garces, and Gonzalez drives in Parkmerced would be replaced by two-way service on Font Boulevard to simplify route.
- New street segments would be from Font Boulevard and Arballo Drive via Font Boulevard, Chumasero Drive, Junipero Serra Boulevard, John Daly Boulevard, Daly City BART, John Daly Boulevard, Lake Merced Boulevard, John Muir Drive, and Skyline Boulevard, Herbst Road (toward West Portal only), and Skyline and Sloat boulevards to Everglade Drive. REVISED: New street segments would be from Font Boulevard and Arballo Drive via Font Boulevard, Chumasero Drive, Junipero Serra Boulevard, Daly City BART, Brotherhood Way, Lake Merced Boulevard, John Muir Drive, and Skyline Boulevard, Herbst Road (toward West Portal only), and Skyline and Sloat boulevards to Everglade Drive.
- Midday frequency change from 30 to 20 minutes.
- The bus would terminate near Lakeshore Plaza on the south side of Sloat Boulevard at Havenside Drive and would require removing up to four parking spaces. At the other end of the route, the route would terminate at its current West Portal Station location.

### Frequency

	Current	Proposed	Frequency
AM	30	20	+
РМ	30	15	+

### 18 46th Avenue



#### Legend

- ---- Recommended Route
- Segment Proposed for Elimination
- Segment will be covered by another recommended route
  - Rail Network

Muni Metro Stations
 BART Stations
 Caltrain Stations



RA

# 18 46th Avenue

#### Overview

- Proposed alignment would operate on a more direct route between the San Francisco Zoo and Stonestown Galleria shopping center via Sloat, Sunset, and Lake Merced boulevards and Winston Drive. Service along Skyline Boulevard, John Muir Drive and Lake Merced Boulevard between Font Boulevard and Winston Drive would be replaced by the revised 17 Parkmerced route.
- Service along Lake Merced Boulevard between John Muir Drive and Font Boulevard would be discontinued.

### Frequency

	Current	Proposed	Frequency
AM	20	20	=
РМ	20	20	=

# 19 Polk - ON HOLD



# 19 Polk - ON HOLD

#### Overview

- Proposed route would continue to operate between Van Ness Avenue/North Point Street but service to the south would be cut back to San Francisco General Hospital at 23rd Street and Potrero Avenue. The route segment south of 24th Street would be replaced with the rerouted 48 Quintara. With this change, passengers would be required to transfer to reach the Civic Center, but would have a more direct connection to Potrero Avenue, the Mission (including 24th Street BART Station), Noe Valley and the Sunset District.
- Route would be modified in Civic Center area to simplify route structure and reduce travel times in both directions. The line would run from Seventh and McAllister streets to Polk Street, and from Polk, McAllister, to Hyde Street. With these changes, the 19 Polk would no longer run on Market Street (between Seventh and Ninth streets), Larkin, Eddy or Hyde (between Eddy and McAllister) streets, or on Geary Boulevard (between Larkin and Polk streets).
- Southbound routing to San Francisco General Hospital would be from Rhode Island Street, right on to 23rd Street, left on Utah Street, right on 24th Street, right on Potrero Avenue, and right on 23rd Street.
- New terminal would be located at the existing 10 Townsend terminal on 24th Street at Potrero Avenue.

### Frequency

Service during peak periods (headway between vehicles, in minutes)

	Current	Proposed	Frequency
AM	15	15	=
РМ	15	15	=

\* Proposal On Hold Pending Additional Community Outreach



#### Legend



Segment Proposed for Elimination

Rail Network

Muni Metro Stations

- BART Stations
- Caltrain Stations

#### **Proposed Changes**



# 21 Hayes

### Overview

• No route changes proposed.

### Frequency

	Current	Proposed	Frequency
AM	9	8	+
РМ	10	9	+



Transit Effectiveness Project

#### Overview

- Would be rerouted to continue along 16th Street to Third Street, creating new connections to Mission Bay from the Mission District.
- The proposed route change would add transit to 16th Street between Kansas and Third streets, Mission Bay Boulevard between Fourth and Third streets, Fourth Street between Gene Friend Way and Mission Bay Boulevard, and along Gene Friend Way.
- Segment along Connecticut and 18th streets would be replaced by rerouted 33 Stanyan. Service on Kansas and 17th streets would be eliminated, although Kansas Street would continue to be used for short turns and other operational adjustments.
- TTRP.22\_1 and TTRP.22\_2 are proposed for this corridor to reduce transit travel time.
- Midday Frequency Change from 10 to 7.5 minutes.
- New terminal loop would run from Third Street, Mission Bay Boulevard North, Fourth Street, Mission Bay Boulevard South, and Third Street, as presented in the Mission Bay EIR.
- Proposed variants would evaluate motor coach service between Mission Bay and the 16th Street BART Station for initial service phase prior to new overhead wire construction (see OWE.5 for the 22 Fillmore).
  - 22 Fillmore Service Variant 1 would include new motor coach service to the Mission Bay terminus from the 16th Street BART Station and a reroute of the 33 Stanyan along the current 22 Fillmore route. The Mission Bay motor coach service would include a western terminal loop that would make a right on Mission Street, left on 15th Street, left on Valencia Street and back onto 16th Street to Mission Street. The eastern terminus would utilize the proposed 22 Fillmore terminal loop in Mission Bay. The 22 Fillmore trolley coach service would conduct a terminal loop by turning right on Kansas Street, right on 17th Street, right on Vermont Street and left on 16th Street. There is existing overhead wiring at this location.
  - 22 Fillmore Service Variant 2 would have a similar motor coach service between 16th Street BART Station and Mission Bay. However, instead of rerouting the 33 Stanyan to 18th Street, that segment would be covered by sending every other 22 Fillmore trolley coach to the current terminal at Third and 20th streets and terminating the rest at the existing loop on Kansas, 17th and Vermont streets.

### 22 Fillmore Corridor Overview

Muni's 22 Fillmore bus route carries over 18,000 daily customers on an average weekday. The route's study corridor is 2.2 miles long and includes 16th Street between 3rd and Church streets.

Within the study corridor, the 22 Fillmore serves over 8,000 customers on an average weekday. Within the study area, the 22 Fillmore operates at an average speed of 7 miles per hour during peak periods. Sources of delay include closely spaced bus stops and traffic congestion.

#### 22 Fillmore - 16th Street Travel Time Reduction Proposal Overview

In order to reduce transit travel times and improve reliability, the SFMTA proposes a toolkit of measures within the study area. The proposals include:

- Moving the route off of 17th and 18th streets and onto 16th Street between Kansas Street and 3rd Street. To connect to the growing Mission Bay neighborhood and to provide continuous transit service along 16th Street, the 22 Fillmore is proposed to be rerouted onto 16th Street from Kansas to 3rd streets. A revised 33 Stanyan would replace the 22 Fillmore on Connecticut and 18th streets.
- Create center running transit-only lanes through lane conversion (3rd Street to Bryant Street). Currently, the 22 Fillmore travels in general traffic lanes and is subject to delays due to traffic congestion. With the expected growth in the Mission Bay neighborhood, traffic congestion along 16th Street is anticipated to worsen, causing further delays to the bus route. To address these delays, center running transit-only lanes are proposed between 3rd and Bryant streets. A transit-only left-turn signal at 3rd Street is proposed as part of the transit-only lanes. Transit-only lanes can save significant travel time for the 22 Fillmore by giving the bus its own exclusive lane. To make room for the transit-only lanes, the existing bike lane on 16th Street would be moved to 17th Street between Kansas and Mississippi streets.
- Reconfigure 16th Street from Bryant Street to Church Street (Design Options 1-2):
  - Design Option 1: Create peak-period curbside transit-only lanes through lane conversion and parking removal. West of Bryant Street, 16th Street is 10 feet narrower than in the eastern portion of the corridor with travel lanes too narrow for buses to travel in without straddling both lanes. Peak-period curbside transit-only lanes can be created by removing parking on both sides of the street during the morning and afternoon weekday peak periods and converting the wider curbside lane into a transit-only lane. The transit-only lanes can save significant travel time for the 22 Fillmore by giving the bus its own exclusive lane during the peak travel periods.
  - Design Option 2: Create right lane transit-only lane in the westbound direction through lane conversion. A full-time westbound right lane transit-only lane can be created and parking preserved by reconfiguring 16th Street to one eastbound lane, one westbound lane, and

one westbound transit-only lane. The transit-only lane can save significant travel time for the 22 Fillmore by giving the bus its own exclusive lane.

- Increasing bus stop spacing from an average of one to two blocks to an average of two to four blocks. Currently, the 22 Fillmore stops at every major block in the Mission area and at about every two blocks east of Potrero Avenue. This proposal moves towards a two block spacing west of Bryant Street and a four block spacing to the east where the blocks are smaller. By stopping fewer times, the bus would take less time to move through the corridor.
- Adding median transit boarding islands at six stops in each direction. Between 3rd Street and Bryant Street, median transit boarding islands are proposed to complement the center running transit-only lanes. Under this proposal, the bus would run in center running transit-only lanes and would pick up and drop off passengers at the proposed boarding island. In conjunction with the transit-only lanes, the islands, which would be 8.5 feet wide and 100 feet long, would reduce delays associated with the bus pulling into and out of traffic.
- Restricting left turns at most locations (7th Street to Dolores Street). Left turns from 16th Street
  would be restricted at all times at all intersections from 7th Street to Dolores Street with the
  exception of both directions at 7th Street, eastbound at Vermont Street, and eastbound at
  Potrero Avenue. Restricting left turns would improve travel times for both transit and through
  traffic by eliminating delays associated left turning vehicles waiting for gaps in oncoming traffic.
- Adding new traffic signals at four locations. Due to the anticipated growth in traffic along 16th Street from the Mission Bay developments, traffic signals at Missouri, Connecticut, Wisconsin, and San Bruno streets are proposed.
- Improving the pedestrian environment. Corner sidewalk bulbs are proposed throughout the corridor to reduce the street crossing distance. In addition, as a potential second phase of the project, the sidewalk on both sides of 16th Street between 7th Street and Potrero is proposed to be widened from 10 feet to 18 feet. This would require removing parking on both sides of the street. Some parking and loading areas would be maintained through cut-ins in the sidewalk.

#### Summary

Together, the proposed changes are anticipated to reduce the travel time of the 22 Fillmore by about 5 minutes in each direction (10 minutes total) within the study area (25 percent reduction), improving the average operating speed to XX miles per hour and improving service reliability. Transit signal priority improvements are anticipated to save an additional minute total. Other changes such as operational improvements and network enhancements would further improve travel times along the corridor and add valuable customer amenities such as NextBus displays. The travel time savings would also reduce operating costs on the line and allow for service to be cost effectively increased.

### 22\_2 Fillmore Travel Time Reduction Proposal

For this proposal, the TPS Toolkit elements would be applied along a segment of the 22 Fillmore route. The TPS Toolkit elements would be implemented along the following streets: Church, Hermann, Fillmore, Broadway, Steiner, and Union streets. This part of the 22 Fillmore corridor extends from the intersection of 16th and Church streets to the intersection of Bay and Fillmore streets. This is a major north-south route in the Rapid Network, and provides crosstown transit connections between the following neighborhoods: Duboce Triangle, the Lower Haight and Western Addition, the Fillmore, Japantown, Pacific Heights, Cow Hollow and the Marina neighborhoods.

#### **OWE.5-22** Fillmore Extension to Mission Bay

Overhead wire expansion (OWE) would support rerouting of bus routes serviced by electric trolley coaches, and would facilitate shared terminal facilities among terminals that service multiple trolley coach routes. Construction of new overhead wires often requires the installation of new pole foundations and/or underground duct work. Poles to support overhead wires would vary in height from 26 to 30 feet and would be approximately eight to 13 inches in diameter at the base, and four to nine inches in diameter at the top of the poles. The pole foundations are typically three feet in diameter and 12 feet deep. These poles are typically installed every 90 to 100 feet along a street segment. Another part of the infrastructure for overhead wires in conduits are placed in groups, called duct banks, underground within the center and along the sides of streets in order to transport electricity from the source (electrical transformer) to the wires in the poles which then power the overhead trolley wires. At some locations, the construction of new curb ramps, transit bulbs and pedestrian refuge islands may also be required. It is anticipated that no parking would be removed as a result of these overhead wire projects.

The 22 Fillmore Extension to Mission Bay (OWE.5) would involve the construction of new overhead wires on 16th and Third streets and parts of the University of California, San Francisco Mission Bay (UCSF) campus to allow the 22 Fillmore to continue east along 16th Street to Third Street, and north on Third Street to a new terminal in Mission Bay. The new overhead wire project would provide a direct transit connection between development at Mission Bay and the 16th Street BART Station, the Mission District, and Fillmore Street. This overhead wire extension project was evaluated in the Final Mission Bay Subsequent Environmental Impact Report (SEIR) in 1998 and is provided here for informational and cumulative context. The SEIR addressed changes proposed for 16th Street between its intersection with Terry A. Francois Boulevard and the intersection with Mississippi and Seventh streets. This project would facilitate an important east-west transit connection for the rapidly developing Mission Bay neighborhood.

The portion of the project on 16th Street between Kansas and Connecticut streets would be constructed as part of an overhead wire replacement project (including the block of Connecticut Street between 16th and 17th streets that will be used by the 33 Stanyan to provide service on the portion of Potrero Hill that will no longer be served by the 22 Fillmore). Infrastructure, including the poles and underground conduits for the electrical wiring, within the Mission Bay terminal loop has been constructed by developers of adjacent parcels along the route. The overhead and underground electrical wiring would be installed by the SFMTA and has already received separate environmental clearance as part of the Mission Bay project SEIR described above.

The proposed project would involve the installation of about 4,300 linear feet of overhead wiring and the construction of about 85 support poles on 16th Street between Arkansas and Third streets, and a total of 26 curb ramps along 16th Street at the following intersections:

- Rhode Island/16th streets (northern and southern corners) four curb ramps
- Carolina /16th streets (northern and southern corners) four curb ramps
- Wisconsin/16th streets (northern and southern corners) four curb ramps
- Arkansas/16th streets (southeast and southwest corners) two curb ramps
- Hubbell/16th streets (northeast and northwest corners) two curb ramps
- Daggett/16th streets two curb ramps
- Missouri/16th streets (southeast and southwest corners) two ramps
- Owens/16th streets (northern and southern corners) four curb ramps
- Fourth/16th streets (northeast and northwest corners) two curb ramps

### Frequency

Service during peak periods (headway between vehicles, in minutes)

	Current	Proposed	Frequency
AM	9	6	+
РМ	8	8	=

### Finance

See 'Finance' section for additional detail.

Route	/ Fund Source	FY12-13	FY13-14	FY14-15	FY15-16	FY16-17	FY17-18	Total
22 Fillm	iore						\$1	05,595,000
TEP Capital Seg. 1	CCSF-GOBond IPIC SFCTA-PropK-EP10		\$845,000	\$3,250,000		\$84,689,000 \$2,920,000 \$1,116,000	\$2,795,000	\$84,689,000 \$9,810,000 \$1,116,000
	Total		\$845,000	\$3,250,000		\$88,725,000	\$2,795,000	\$95,615,000
TEP Capital	CCSF-GOBond			\$1,020,000 <b>\$1,020,000</b>	\$5,600,000 <b>\$5,600,000</b>			\$6,620,000 <b>\$6,620,000</b>
Seg. 2 TEP	No Funding Source			\$1,020,000	\$0,000,000		\$3,360,000	\$3,360,000
Supportive	Total						\$3,360,000	\$3,360,000





#### Legend



Rail Network

Segment Proposed for Elimination

Muni Metro Stations

BART Stations

Caltrain Stations

#### **Proposed Changes**



#### Overview

• Segment on Toland Street, Jerrold Avenue and Phelps Street proposed to be eliminated to provide a more direct path of travel. Route would operate on Oakdale Avenue, Industrial Way and Palou Avenue. Transit would be added to Palou Avenue between Barneveld Avenue and Industrial Way, and Barneveld Street between Oakdale and Palou avenues.

### Frequency

Service during peak periods (headway between vehicles, in minutes)

	Current	Proposed	Frequency
AM	20	20	=
РМ	20	20	=

\* Proposal On Hold Pending Additional Community Outreach

### 24 Divisadero



#### Legend

- Recommended Route
   Segment will be covered by another recommended route
   Rail Network
  - Muni Metro Stations
     BART Stations
     Caltrain Stations

#### **Proposed Changes**



### 24 Divisadero

### Overview

• No route changes proposed.

### Frequency

	Current	Proposed	Frequency
AM	10	9	+
РМ	10	9	+