

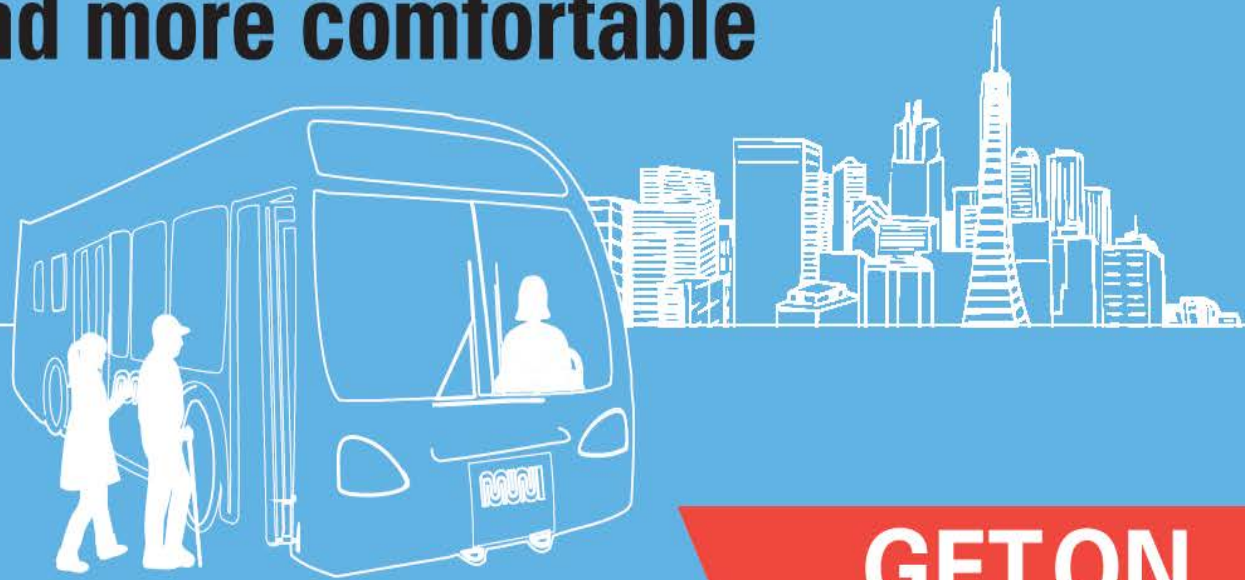


# 22 FILLMORE TRANSIT PRIORITY PROJECT

16TH STREET

# We're actively working to create a safer, more reliable and more comfortable experience.

» *Muni Forward brings together the long list of projects underway to achieve this vision, such as new vehicles and route improvements for smoother service, like on the 5R.*



**GET ON  
BOARD**

- ..... Proposed: Future Project
- Proposed: Outreach Underway
- Approved: Awaiting Construction
- Approved: Construction Started
- Implemented



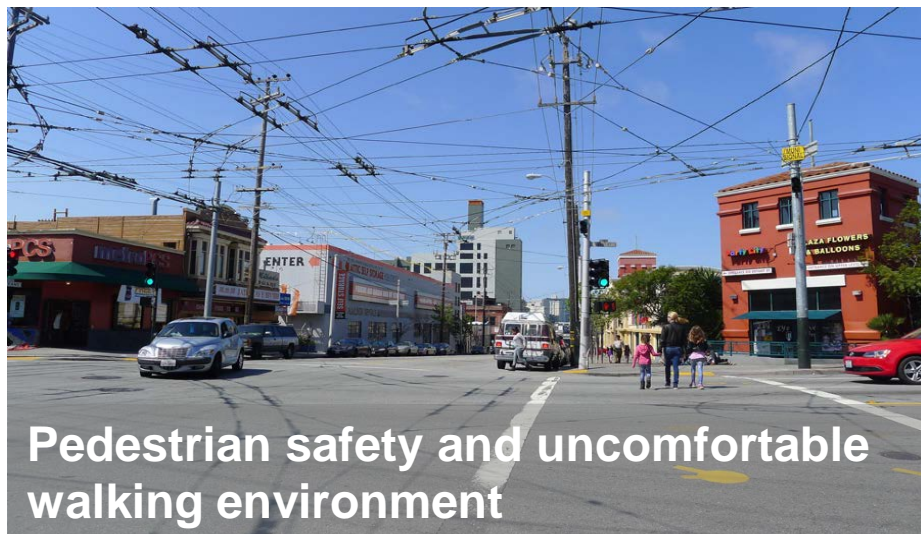
# EXISTING CONDITIONS



Disconnected street & transit service



Growing congestion and a limited right-of-way



Pedestrian safety and uncomfortable walking environment



Aging transportation and utilities infrastructure

# PROJECT CONTEXT

- Safer and More Reliable Transit
- Improved safety when walking & biking
- Regional connections
- Leveraging ongoing investment & responding to growing demand



## OUTREACH

- Three MTA hosted open houses
- Presented at several community-initiated meetings
- Public Hearing
- 3,400 flyers distributed
- 9,800 postcards mailed
- Nearly 290 surveys completed
- Project website, email alerts

### MUNI FORWARD

JOIN US AT AN OPEN HOUSE TO REVIEW OUR REVISED PROPOSALS FOR 16TH STREET!



**MAY 16, 2015**  
 10 - 11:30AM  
 Notre Dame Senior Plaza  
 347 Dolores Street  
 San Francisco, CA

### 22 Fillmore - 16th Street Transit Priority Project

MUNI FORWARD

#### Project Overview

##### BY THE NUMBERS

**RELIABILITY**  
 Reduce travel time by almost **25%** for the overall 22 Fillmore route



The 22 Fillmore carries nearly 17,000 customers on an average weekday. As part of Muni Forward, SFMTA is proposing transit priority and safety improvements along the route that will make it safer to walk and bike, increase the reliability of service, and enhance the customer experience on and off the bus.

**WITH YOUR SUPPORT, WE'RE MOVING MUNI FORWARD.**

**SERVICE**  
 Increase service by adding **2 MORE BUSES PER HOUR = 20% MORE SERVICE**

##### PROJECT FEATURES SUMMARY



**DEDICATED TRANSIT LANES**  
 Dedicated transit lanes allow buses to bypass traffic, reducing delay and making for a smoother ride.  
**BENEFITS:** Reliable Service



**NEW TRANSIT BULBS**  
 Wider sidewalks at bus stops or boarding islands allow buses to board passengers without having to pull out and then back into congested traffic. They also provide space for shelters, signage, and other amenities.  
**BENEFITS:** Reliable Service, Safer Streets, Rider Comfort, Sidewalk Space

**SAFETY**  
**14** INTERSECTIONS with wider sidewalks for safer pedestrian crossings and quicker bus boardings



**EXPANSION OF OVERHEAD WIRE SYSTEM**  
 Expansion of the overhead wire system allows a direct, zero-emission transit connection between development at Mission Bay and the 16th Street BART Station, the Mission District, and Fillmore Street.  
**BENEFITS:** Reliable Service



**EXTENSION OF THE BICYCLE ROUTE**  
 Extension of the bicycle route on 17th Street allows for a safe and attractive parallel east-west connection for people on bicycles.  
**BENEFITS:** Safer Streets

# WHAT WE HEARD

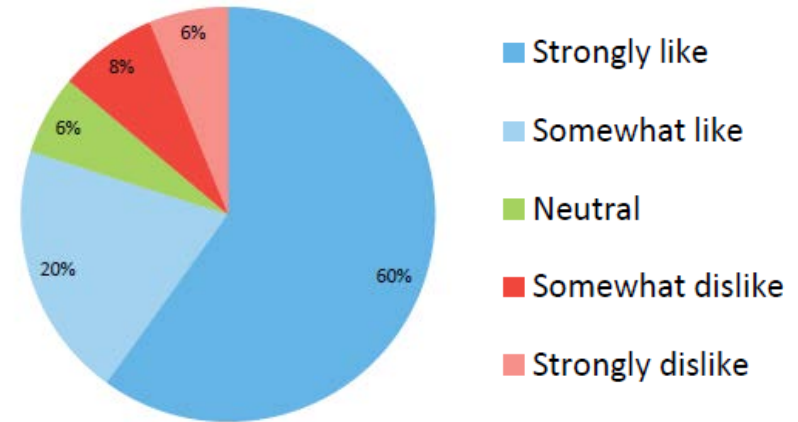
## Community feedback:

- Overall support
- Minimize congestion
- Minimize loss of parking spaces

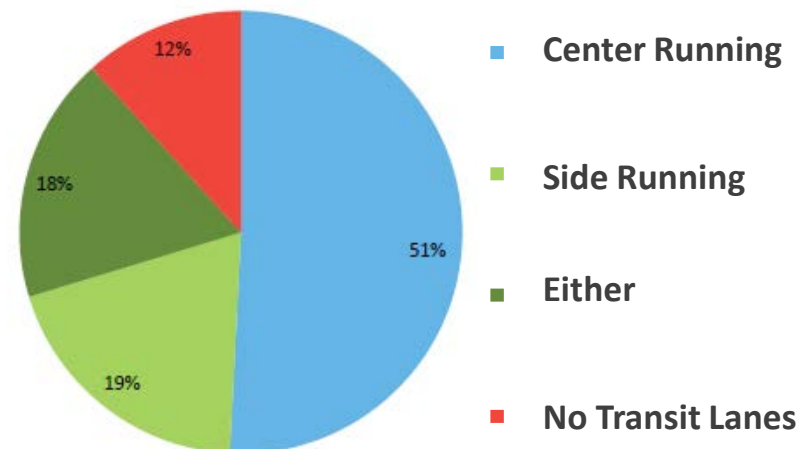
## Community supported:

- More capacity for 22
- Transit Only Lanes

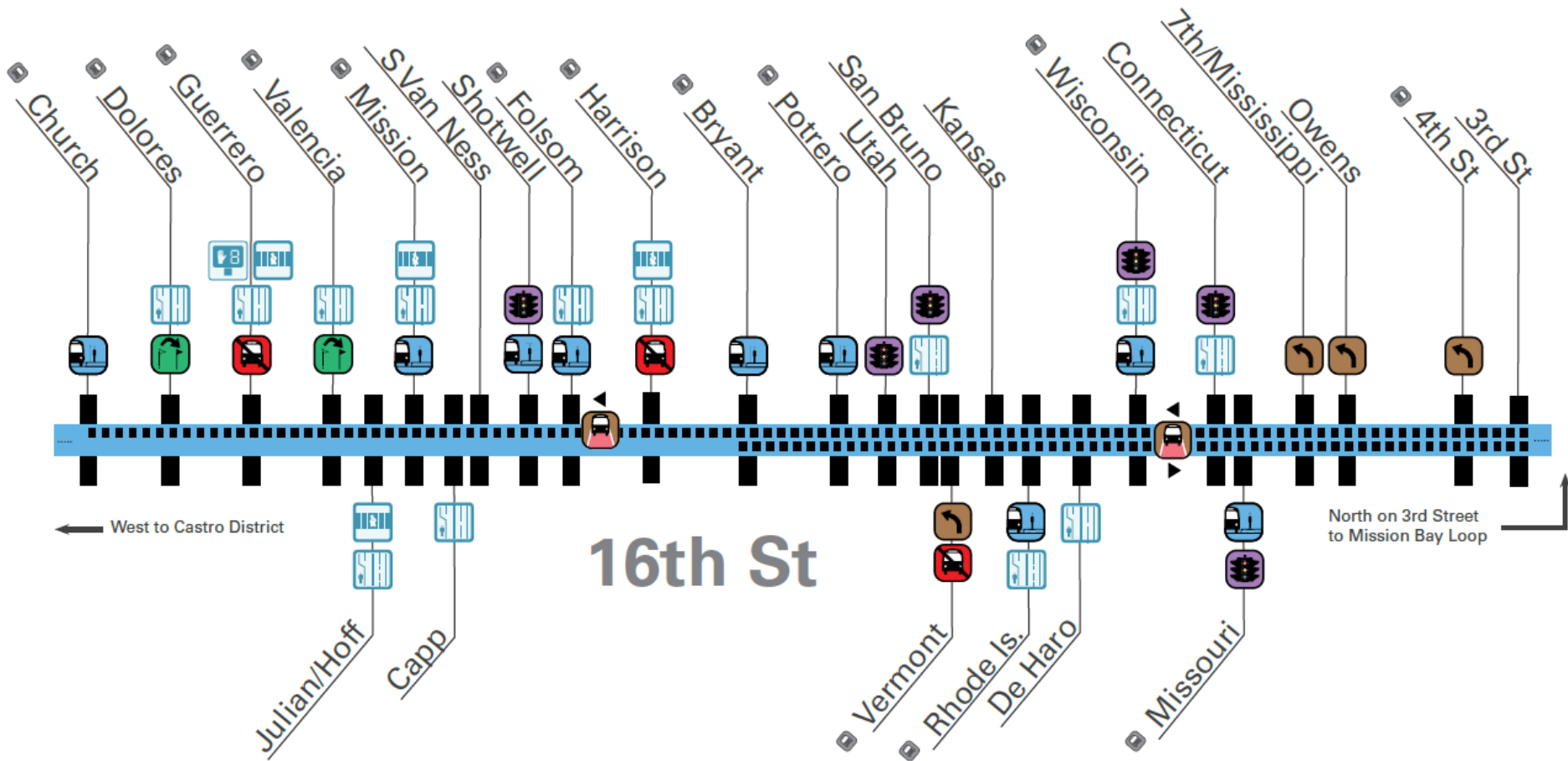
### Stop Consolidation



### Transit Only Lanes



# REVISED PROPOSAL





# TRANSIT ONLY LANE SEGMENTS

**16th St, Church Street to Bryant Street**



**16th St, Bryant Street to Third Street**

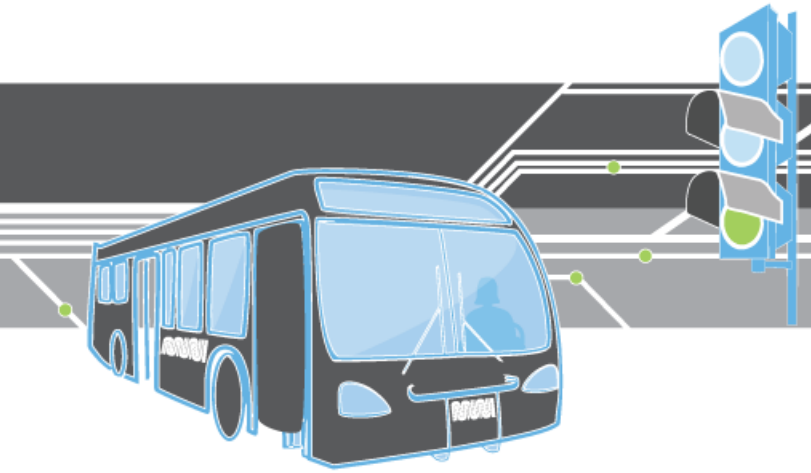


# BENEFITS


- Up to 25% reduction in transit travel time and improvement in transit reliability
- More reliable service means less crowded buses
- Increased pedestrian safety





# QUESTIONS?





# CHURCH TO GUERRERO


 **Proposed Left-Turn Restrictions**  
at Dolores  
at Guerrero  
at Church


 **New Transit Lane**  
on 16th St (westbound)

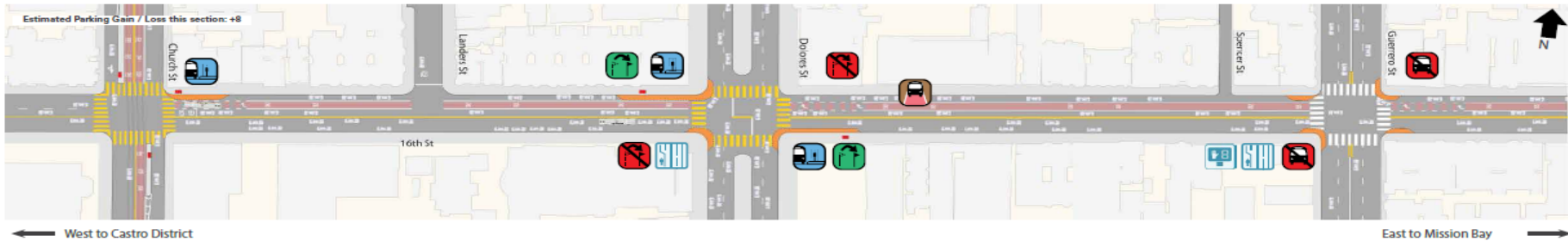
 **Remove Stops**  
at Guerrero (both directions)

 **Relocate Stops**  
at Dolores (both directions)

 proposed location

 current location

 **New Transit Bulbs**  
at Church (westbound)  
at Dolores (both directions)



## EXISTING



## PROPOSAL




Westbound Side Running Transit-Only Lanes



## CURRENT CORRIDOR DATA

	Church	Landers	Dolores	Guerrero	
Traffic Volume	Average Daily Volume (on 16th Street)				
	10,900				
Collisions	Average Daily Volume (on the cross street)				
	6,400	800	8,700	16,800	
	Ped-auto Collisions	1	-	-	5
	Bike-auto Collisions	2	1	2	2
Total Collisions	Auto-auto & auto-fixed object Collisions	4	1	11	21
	7	2	13	28	
Transit Ridership	Muni Ons	322	-	230	184
	Muni Offs	393	-	232	183



-  **Pedestrian Bulb**
-  **Continental Crosswalk**
-  **Pedestrian Countdown Signal**

# ALBION TO CAPP

**Proposed Left-Turn Restrictions**  
at Julian/Hoff at Albion (westbound)  
at Valencia at Capp



**Relocate Stops**  
at Dolores (both directions)



**New Transit Bulbs**  
at Mission  
and at Valencia



**New Transit Lane**  
on 16th St (westbound)



West to Castro District

East to Mission Bay

## EXISTING



## PROPOSAL

Westbound Side Running Transit-Only Lanes



## CURRENT CORRIDOR DATA

	Albion	Valencia	Rhondel	Julian	Hoff	Mission	Capp	
Traffic Volumes	Average Daily Volume (on 16th Street)							
	11,400							
Collisions	Average Daily Volume (on the cross street)	800	9,500	800	800	1,200	10,800	1,200
	Ped-auto Collisions	1	5	1	1	1	11	7
	Bike-auto Collisions	3	5	1	1	1	5	5
	Auto-auto & auto-fixed object Collisions	5	6	-	-	3	14	4
Total Collisions	9	16	2	2	5	30	16	
Transit Ridership	Muni Ons	-	499	-	-	-	3,298	-
	Muni Offs	-	433	-	-	-	3,261	-



**Pedestrian Bulb**



**Continental Crosswalk**



**Pedestrian Countdown Signal**

# S VAN NESS TO HARRISON



**New Transit Lane**  
on 16th St (westbound)



**Potential Traffic Signal**



**Proposed Left-Turn Restrictions**  
at S Van Ness at Shotwell  
at Folsom at Harrison



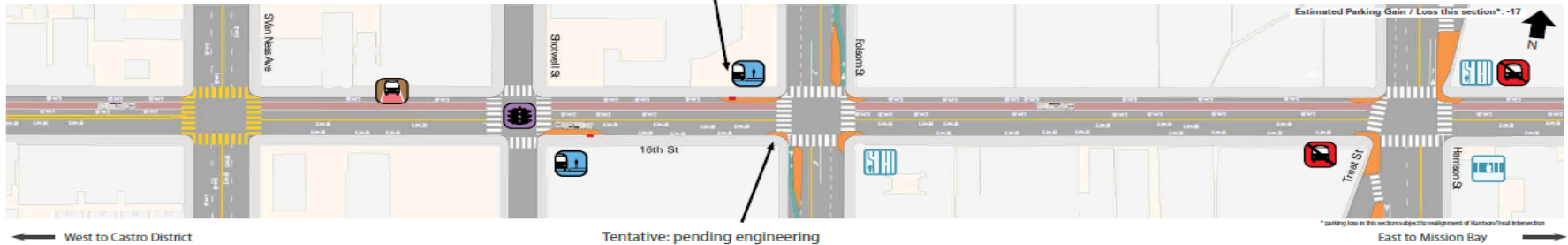
**Remove Stops**  
at Harrison (both directions)



**New Transit Bulbs**  
at Shotwell (eastbound)  
and at Folsom (westbound)

Tentative: pending engineering review due to conflicting underground structures

Tentative: pending engineering review due to conflicting underground structures



West to Castro District

East to Mission Bay

## EXISTING



## PROPOSAL

Westbound Side Running Transit-Only Lanes



## CURRENT CORRIDOR DATA

	South Van Ness	Shotwell	Folsom	Harrison	
Traffic Volumes	Average Daily Volume (on 16th Street)	12,900			
	Average Daily Volume (on the cross street)	14,400	600	10,600	10,500
Collisions	Ped-auto Collisions	4	1	-	1
	Bike-auto Collisions	1	3	3	5
	Auto-auto & auto-fixed object Collisions	15	7	12	15
	Total Collisions	20	11	15	21
Transit Ridership	Muni Ons	-	534	-	318
	Muni Offs	-	408	-	245



**VISION ZERO SF** | **SAFETY IN ACTION**



**Pedestrian Bulb**



**Continental Crosswalk**



**Pedestrian Countdown Signal**

# ALABAMA TO POTRERO



**New Transit Lanes**  
on 16th St (both directions)



**Proposed Left-Turn Restrictions**  
at Alabama  
at Florida  
at Bryant  
at Potrero



**New Right Turn Pockets**  
at Bryant  
at Potrero



**New Transit Bulbs/ Islands**  
at Bryant  
at Potrero

**16th and Alabama**



**16th and Florida**



**16th and Bryant**



**16th and Potrero**



West to Castro District

East to Mission Bay

**CURRENT  
CORRIDOR  
DATA**

	Alabama	Florida	Bryant	Potrero	
Traffic Volumes	Average Daily Volume (on 16th Street)				
	14,100				
Collisions	Average Daily Volume (on cross street)	1,000	1,000	8,000	19,700
	Ped-auto Collisions	-	-	3	5
	Bike-auto Collisions	2	-	2	3
	Auto-auto & auto-fixed object Collisions	3	4	19	23
	Total Collisions	5	4	24	31
Transit Ridership	Muni Ons	-	-	979	1,179
	Muni Offs	-	-	1,010	1,108

# UTAH TO DE HARO



**New Transit Lanes**  
on 16th St (both directions)



**Potential Traffic Signal**



**New Transit Bulbs/Islands**  
at Rhode Island (both directions)



**Proposed Left-Turn Restrictions**  
at Utah  
at San Bruno  
at De Haro  
at Kansas  
at Rhode Island

**16th and Utah**



**16th and San Bruno**



**16th and Vermont**



**16th and Kansas**



**16th and Rhode Is**



**16th and De Haro**



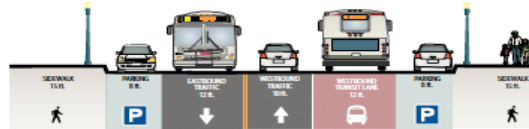
West to Castro District

East to Mission Bay

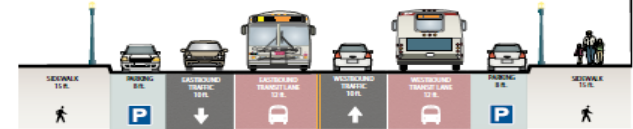


**Remove Stops**  
at San Bruno (eastbound)  
at Vermont (westbound)

**PROPOSED (Potrero to San Bruno)**



**PROPOSED (E of San Bruno)**



**EXISTING**



**CURRENT CORRIDOR DATA**

	Utah	San Bruno	Vermont	Kansas	Rhode Island	DeHaro	
Traffic Volumes	Average Daily Volume (on 16th Street)						
	11,800						
Collisions	Average Daily Volume (on the cross street)	700	1,100	4,100	3,500	3,400	5,000
	Ped-auto Collisions	-	1	-	2	2	-
	Bike-auto Collisions	1	-	-	1	-	-
	Auto-auto & auto-fixed object Collisions	9	8	3	6	9	5
	Total Collisions	10	9	3	9	11	5
Transit Ridership	Muni Ons	-	176	-	-	41	-
	Muni Offs	-	130	-	-	87	-



**SAFETY IN ACTION**



**Pedestrian Bulb**



**Continental Crosswalk**



**Pedestrian Countdown Signal**



# CAROLINA TO 7<sup>TH</sup> STREET

**New Transit Lanes**  
on 16th St (both directions)

**Potential Traffic Signal**

**New Transit Bulbs/Islands**  
at Wisconsin (both directions)  
at Missouri (both directions)  
at Wisconsin (both directions)

**Proposed Left-Turn Restrictions**  
at Carolina at Wisconsin  
at Arkansas (westbound only)  
at Missouri (westbound only)

**16th and Carolina**

**16th and Wisconsin**

**16th and Arkansas**

**16th and Conn.**

**16th and Missouri**



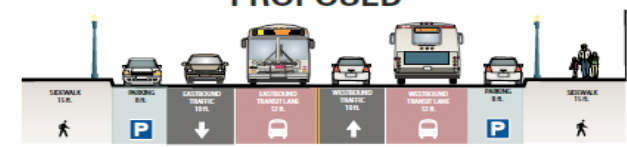
West to Castro District

East to Mission Bay

**EXISTING**



**PROPOSED**



**CURRENT CORRIDOR DATA**

	Carolina	Wisconsin	Arkansas	Connecticut	Missouri
Traffic Volumes	Average Daily Volume (on 16th Street)				
	10,400				
Collisions	Average Daily Volume (on the cross street)				
	700	600	1,000	1,200	2,000
	-	2	-	-	-
	-	-	-	-	-
	2	1	2	2	3
Transit Ridership	Total Collisions				
	2	3	2	2	3
Muni Ons					-
Muni Offs					43
Muni Ons					-
Muni Offs					51
Muni Ons					-
Muni Offs					32

VZ SF VISION ZERO SF SAFETY IN ACTION

- Pedestrian Bulb
- Continental Crosswalk
- Pedestrian Countdown Signal

## 7<sup>TH</sup> TO 3<sup>RD</sup> STREET



**New Transit Lanes**  
on 16th St (both directions)



**Retain Left Turn Pocket**  
at Owens St  
at 4th St



**Proposed Left-Turn Restrictions**  
at 7th St



### CURRENT CORRIDOR DATA

	Mississippi/7th	Owens	4th	3rd	
Traffic Volumes	Average Daily Volume (on 16th Street)	9,100			
	Average Daily Volume (on the cross street)	10,900	9,800	10,500	16,100
Collisions	Ped-auto Collisions	-	-	1	1
	Bike-auto Collisions	4	2	1	1
	Auto-auto & auto-fixed object Collisions	2	2	2	6
	Total Collisions	6	4	4	8
Transit Ridership	Muni Ons	-	-	117	-
	Muni Offs	-	-	94	-