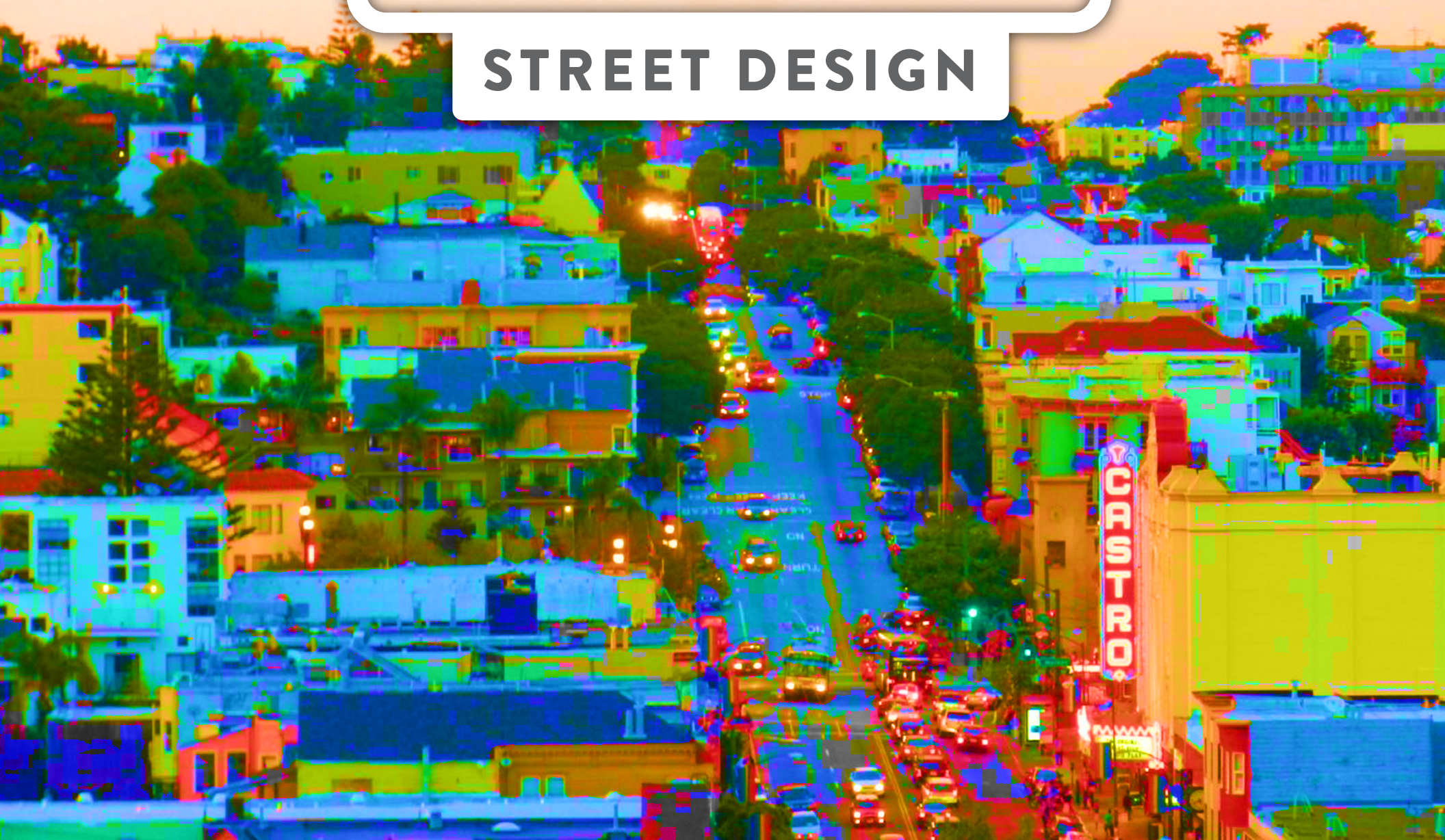


# CASTRO

## STREET DESIGN



**Workshop #2 - April 3, 2013**

# Tonight's Workshop

- Welcome & Introductions (10 minutes)
- Revised Conceptual Design (20 minutes)
- Break-out Groups (45 minutes)
- Report Back (15 minutes)

# GOALS OF TONIGHT'S WORKSHOP

#1: Share refined proposal for street reconfiguration

#2: Get your feedback on priorities for additional improvements and the look of streetscape amenities





# Project Overview

## Project Team

SAN FRANCISCO  
**PLANNING DEPARTMENT**



*Office of Supervisor*  
**Scott Wiener**  
DISTRICT 8

## Community Partners



MERCHANTS OF UPPER MARKET & CASTRO

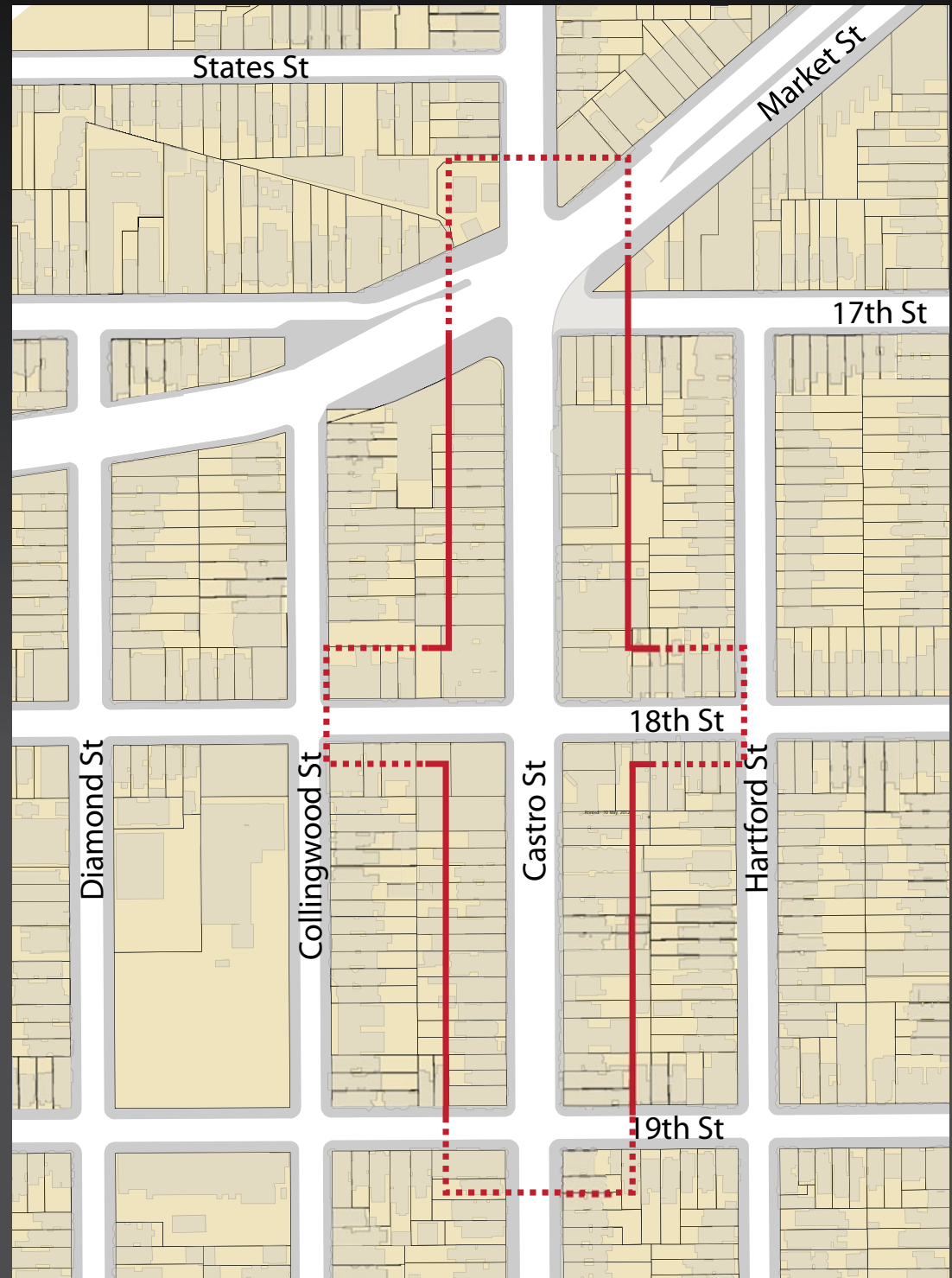


# Project Overview

## Project Limits

Castro Street  
from Market to  
19th Street

Including  
Castro Street's  
intersections  
with 18th, 19th,  
and Market  
Streets



# Project Overview

## Schedule

### Planning Phase

- November - December 2012: Develop draft conceptual design informed by community input and staff analysis
- January - Early April 2013: Public workshops and design refinement
- April 2013: Finalize conceptual design / Environmental Review
- Late April/Early May: Final Community Open House

### Preliminary Design/Construction Phase

- May - October 2013: Detailed design / Project Advertisement
- January - October 2014: Construction

# Project Overview

## Budget

- Project budget:  
\$4 Million + SFMTA contribution
- Source:  
2011 Road Repaving and Street Safety Bond





# Overhead Catenary Wires

Working closely with SFMTA to ensure Overhead Catenary Wire (OCS) system is integrated into the new street design.







# Workshop #1 Summary

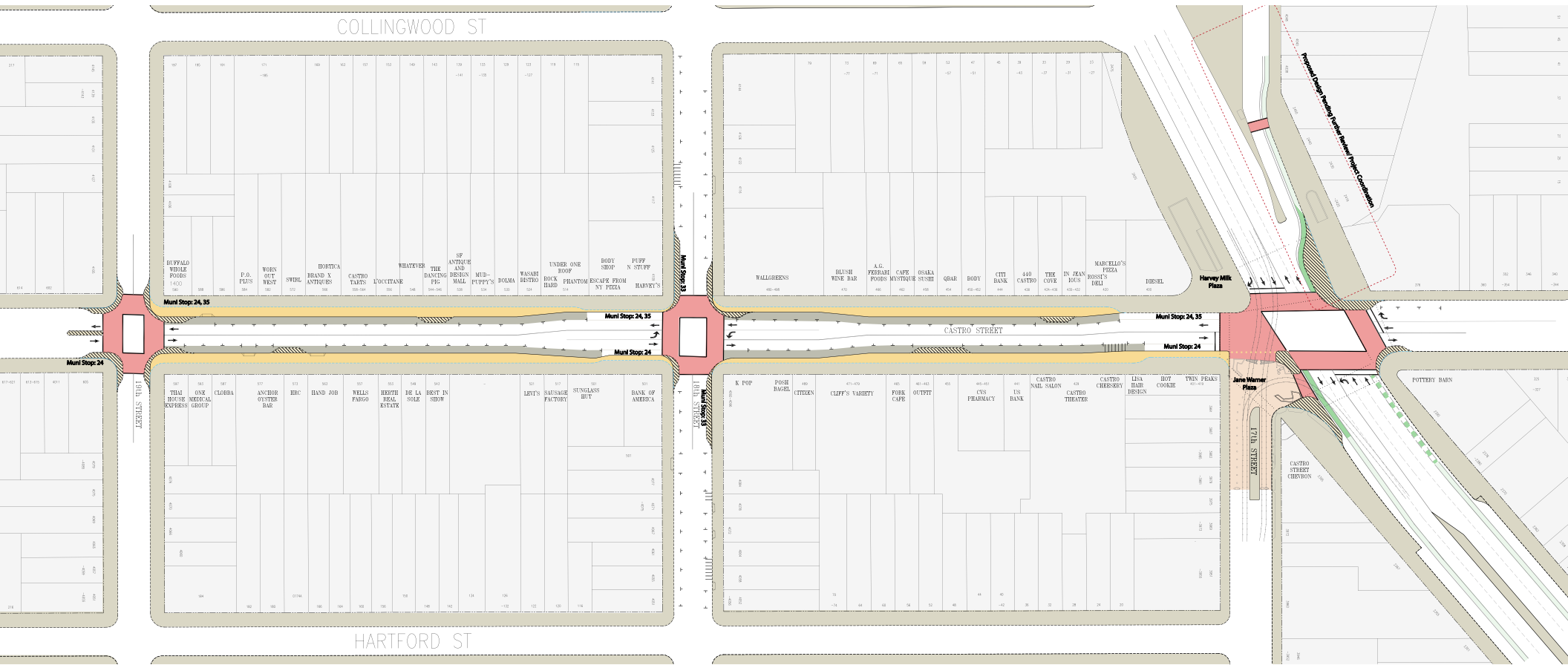


January 23, 2013  
Eureka Valley Recreation Center

- Over 150 attendees
- 72% associated with 94114 zip code
- 140 surveys submitted by Feb 11

# Workshop #1 Summary

## Conceptual Design Presented at Workshop #1



### DRAFT Castro Street Design Proposal

1"=40'

January 23, 2013

Conceptual diagram; Exact measurements to be verified in field

N ▶

Potential Sidewalk Expansion Area

Existing Sidewalk  
(a) curb shown with dashed blue line

Optional Sidewalk Expansion  
Bulb-outs, Medians, etc.

Parking Stalls

Crosswalks  
(a) crosswalks shown with dotted line

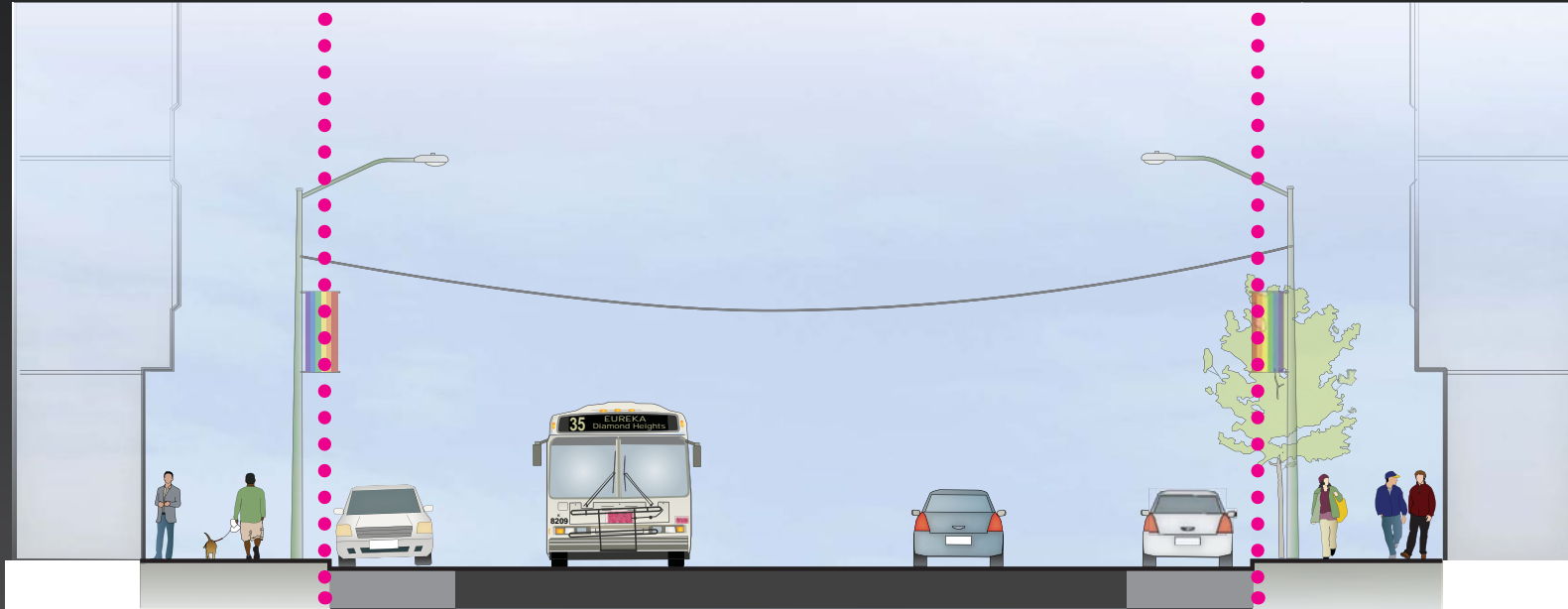
Improved Bike Facilities



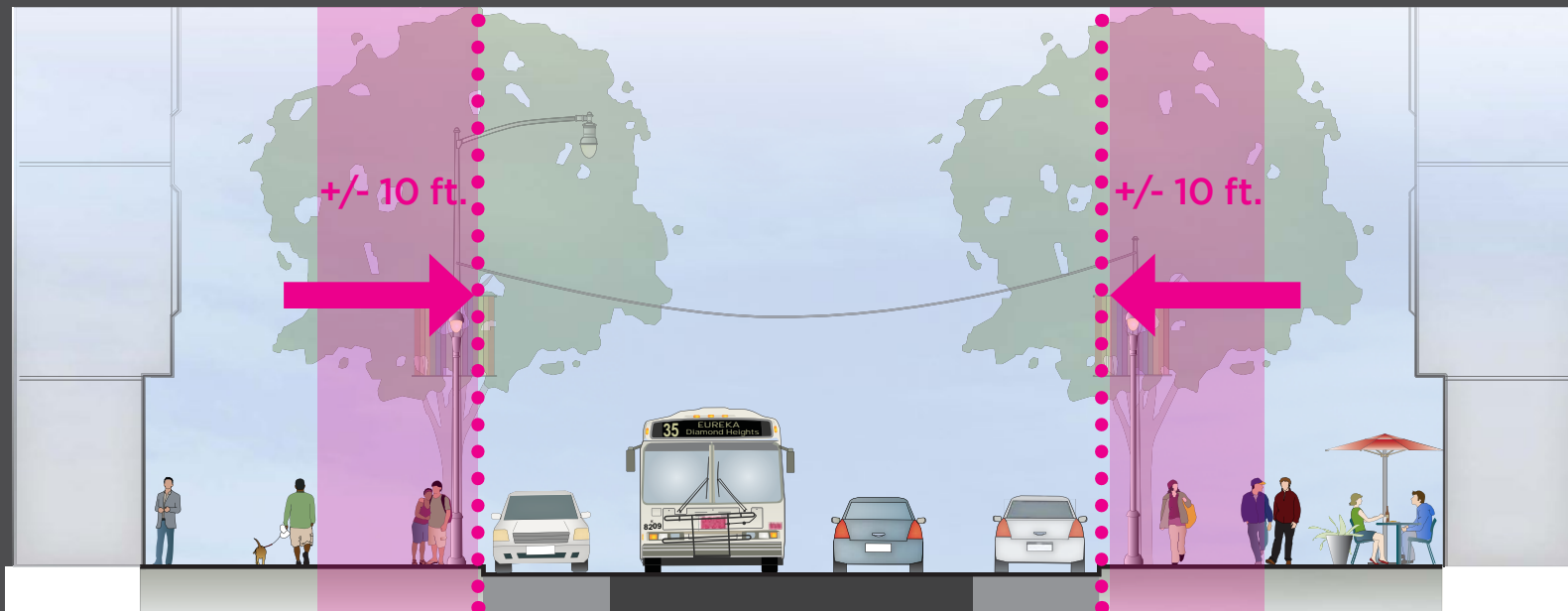
# Workshop #1 Summary

## Typical Mid-Block Street Sections Presented at Workshop #1

EXISTING



DRAFT PROPOSAL

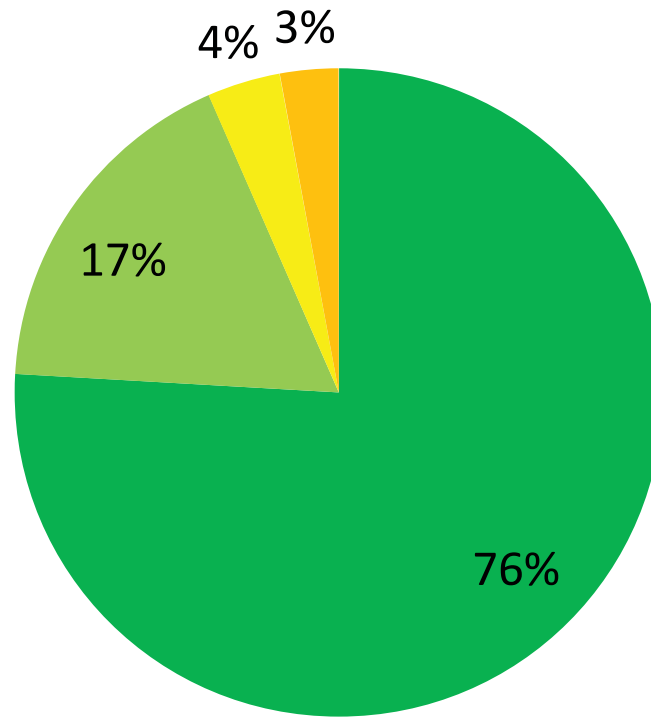


# Workshop #1 Survey Results

## Overall Design

**What do you think of the draft conceptual design for Castro Street?**

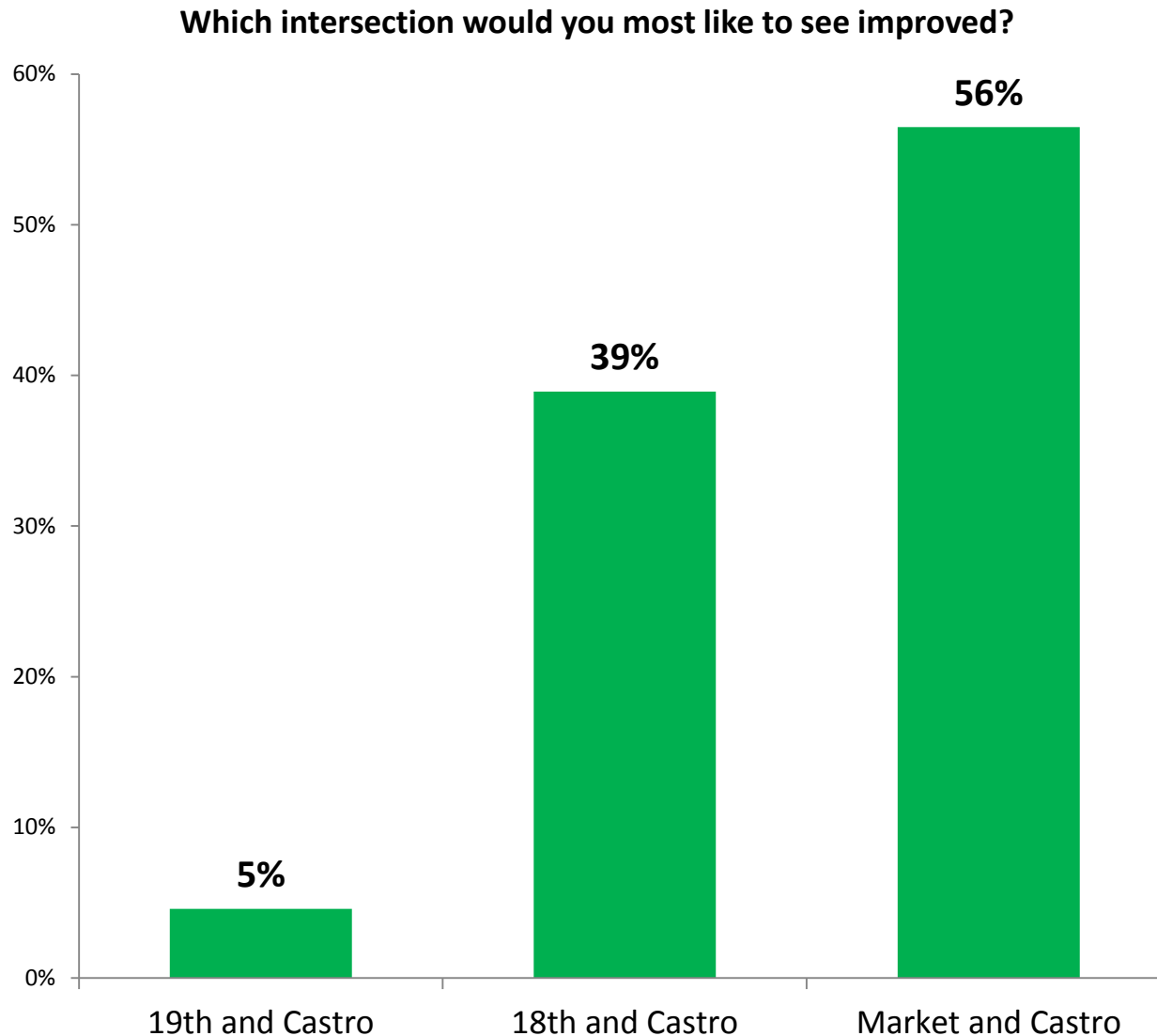
■ Strongly Like   ■ Somewhat Like   ■ Somewhat Dislike   ■ Strongly Dislike



**Over 93% of survey respondents like the design**

# Workshop #1 Survey Results

## Intersection Prioritization

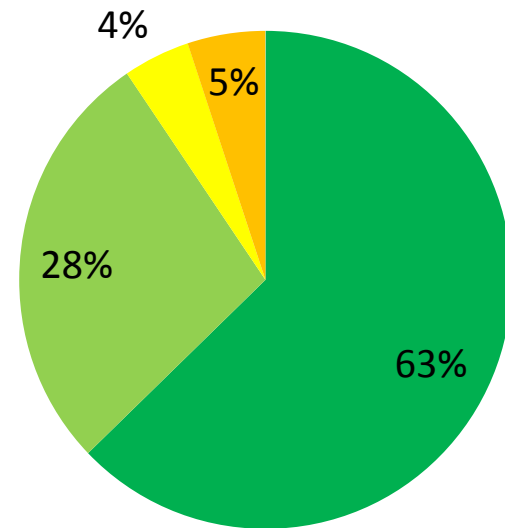


**The majority of survey respondents chose **Market & Castro** as their highest priority for intersection improvements**

# Workshop #1 Survey Results

## Market & Castro Improvements

**91% liked the idea of a realigned crosswalk connecting the NE and SE corners of Market/Castro**



■ Strongly Like ■ Somewhat Like ■ Somewhat Dislike ■ Strongly Dislike

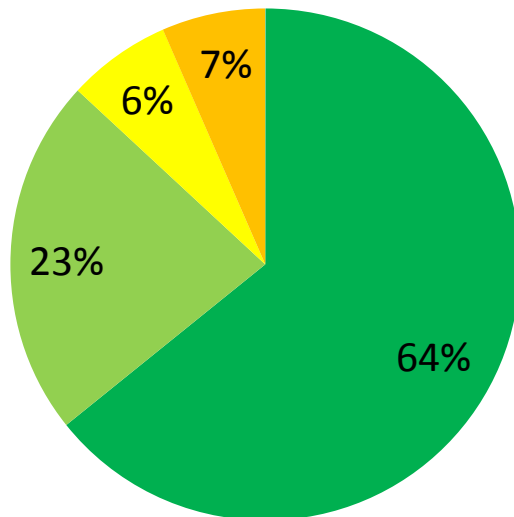




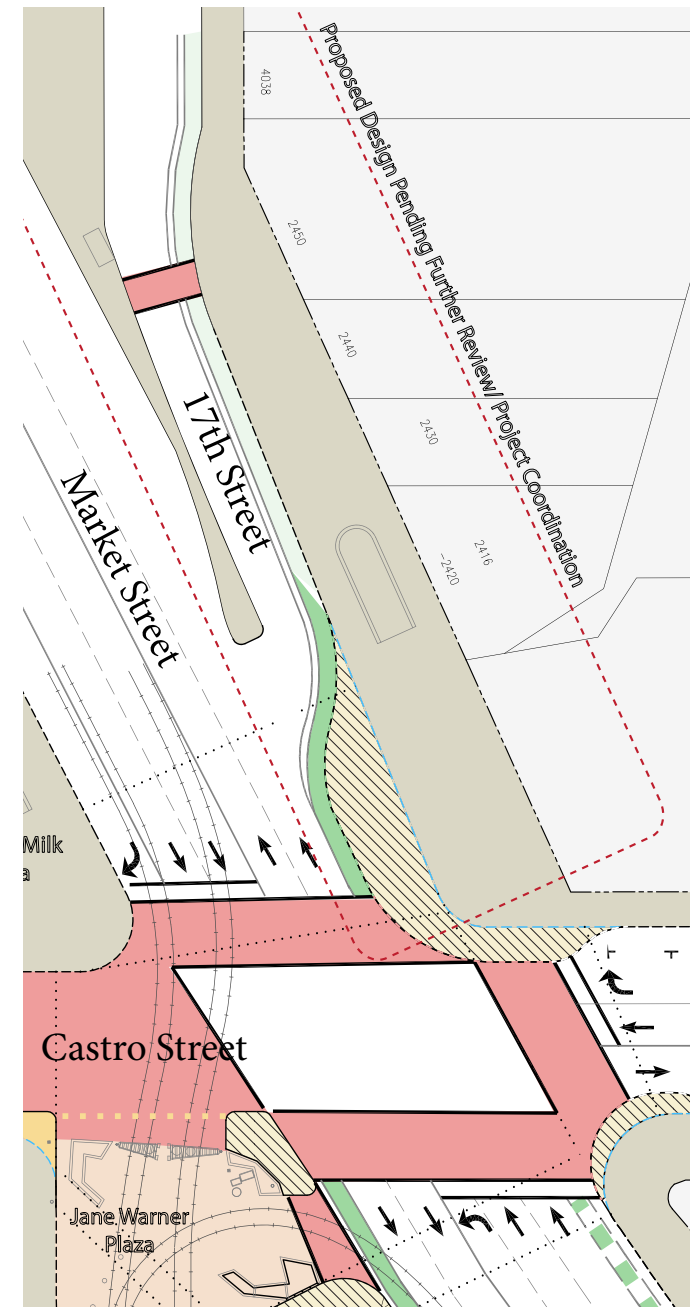
# Workshop #1 Survey Results

## Market & Castro Improvements

**87%** liked the idea of a reconfiguring west-bound access to 17th Street from Market Street



■ Strongly Like ■ Somewhat Like ■ Somewhat Dislike ■ Strongly Dislike

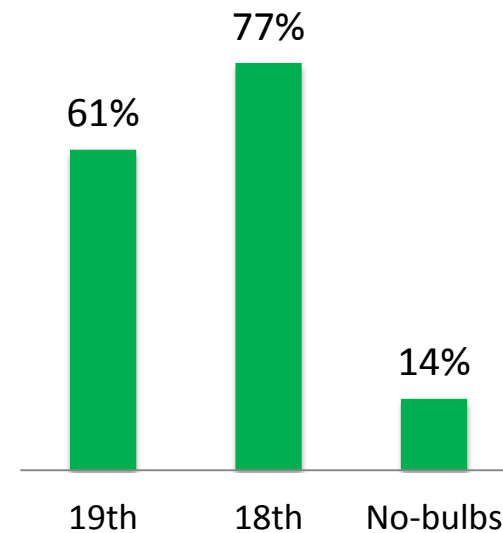


# Workshop #1 Survey Results

## Corner bulb-outs

**The majority of survey respondents want to see bulb-outs at both the 19th Street and 18th Street intersections**

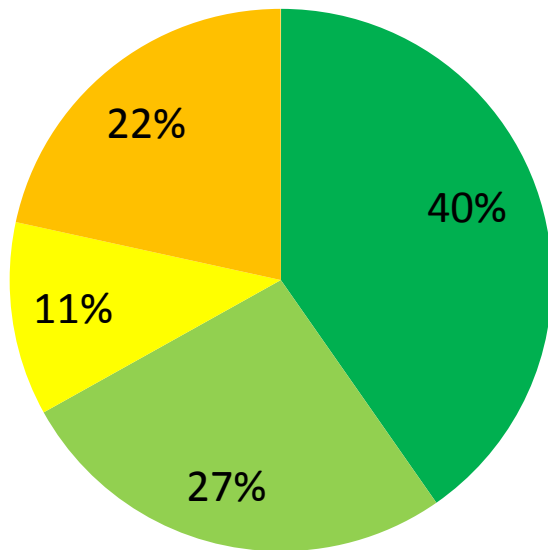
Which intersection would you like to see corner bulb-outs? (check all that apply)



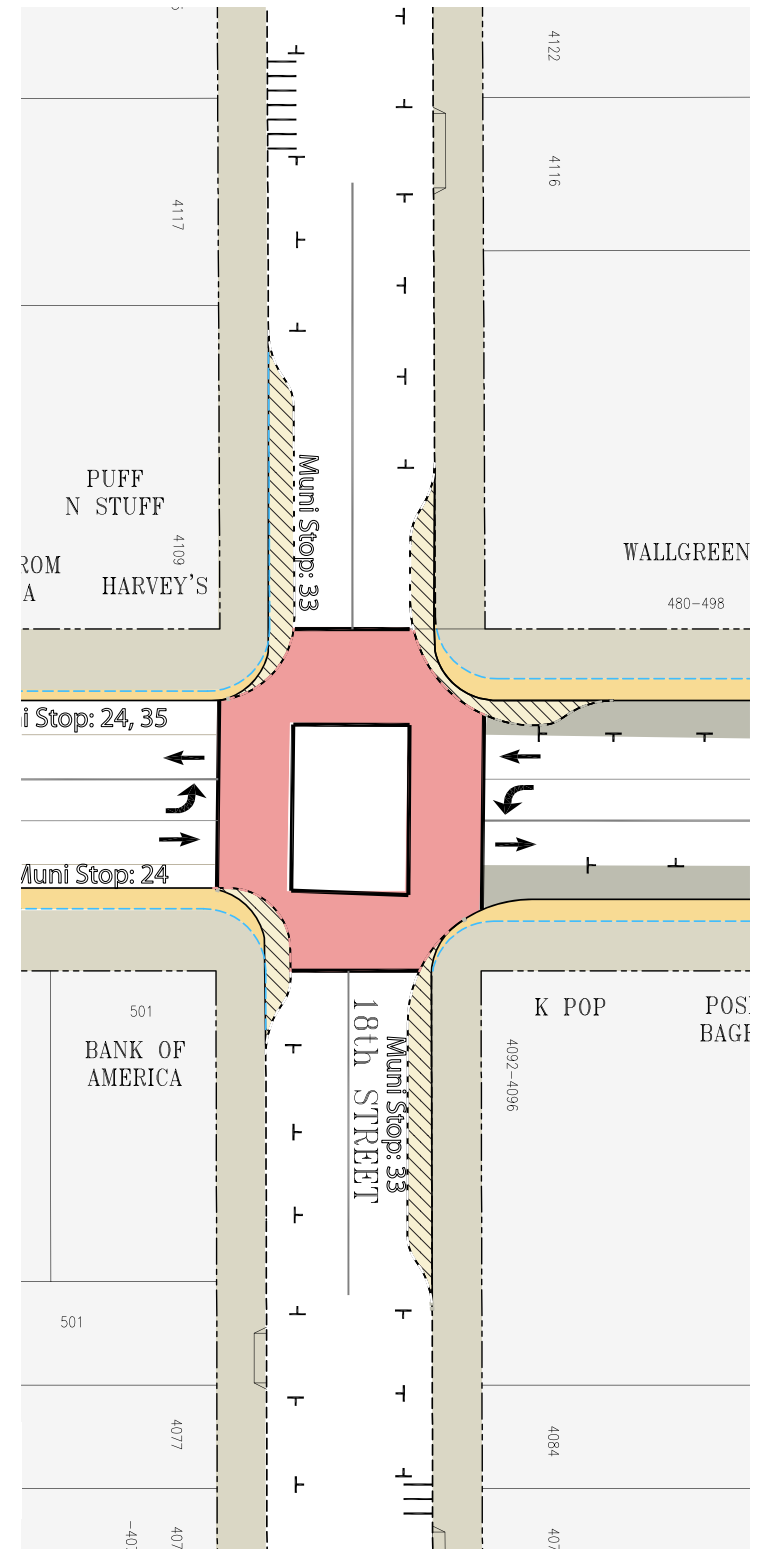
# Workshop #1 Survey Results

## 18th Street bus bulb-outs

**67%** liked the idea of relocating the 18th Street bus stops and adding bus bulb-outs.

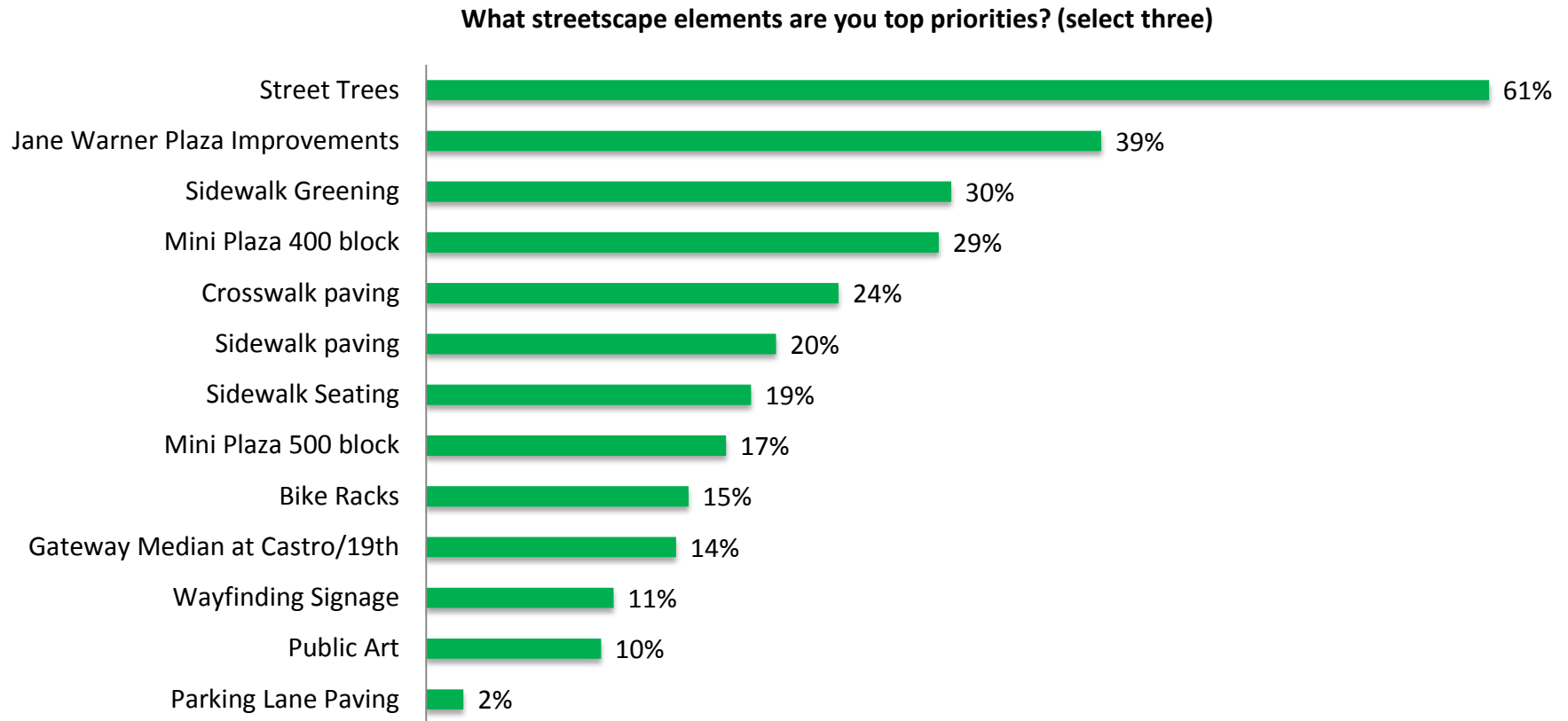


■ Strongly Like ■ Somewhat Like ■ Somewhat Dislike ■ Strongly Dislike



# Workshop #1 Survey Results

## Streetscape Enhancements



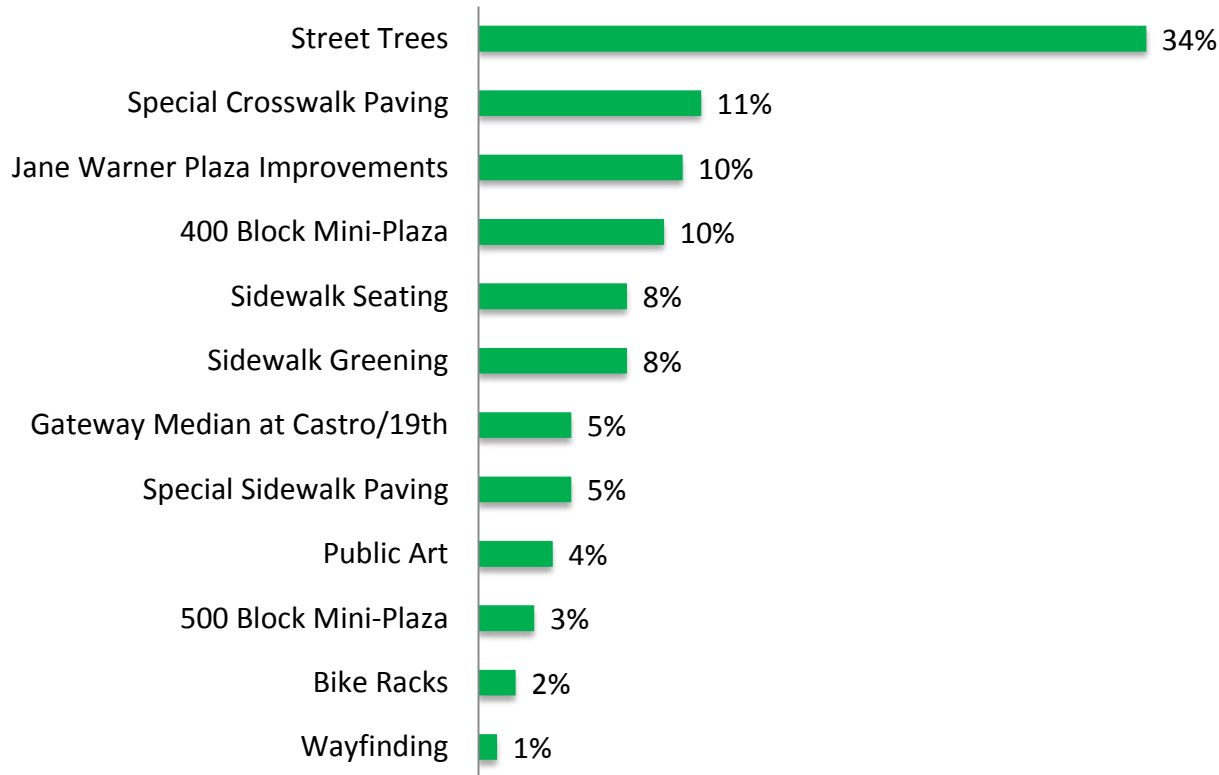
**Street Trees** were the #1 streetscape element selected



# Workshop #1 Survey Results

## Streetscape Enhancements

What streetscape element is your top priority (select only one)



**Street Trees, Special Crosswalk Paving, and Jane Warner Plaza were the top three streetscape elements selected when asked to chose a #1 top priority**



# OVERHEAD WIRES & POLES



# TRAFFIC, PARKING, LOADING



# GRADING

# PUBLIC LIFE





# Traffic, Parking & Loading Study

## Castro/18th Street Intersection Scramble

### Pros:

- Reduced conflicts between turning vehicles and pedestrians

### Cons:

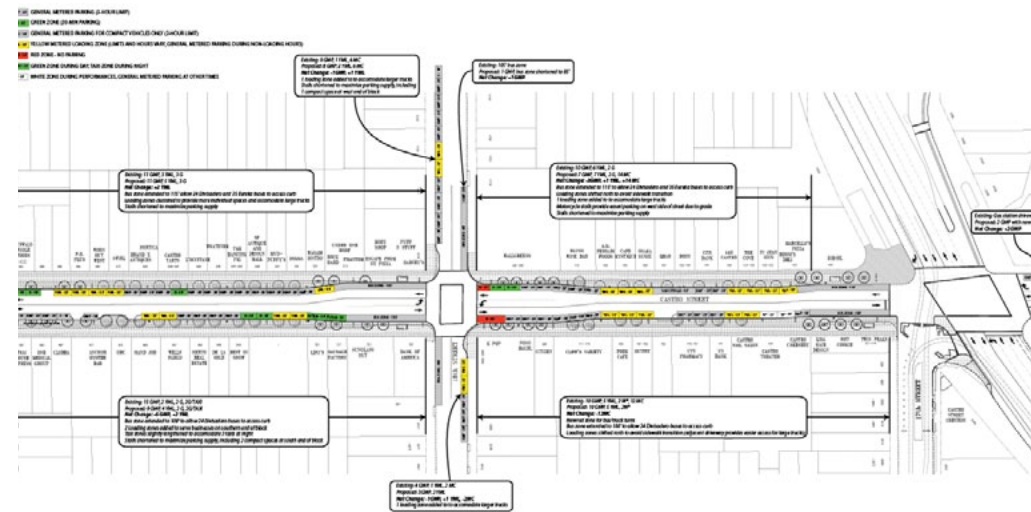
- Increased pedestrian delay and crowding at corners
- Muni delays
- Long traffic queues on 18<sup>th</sup> Street





# Traffic, Parking & Loading Study

- Estimated net reduction of 1 parking space
- 7 new loading zones clustered to accommodate larger trucks
- Shortening parking stall lengths to maximize parking supply
- Shifting motorcycle parking from east to west side of Castro Street
- Loading zone hours TBD based on merchant feedback



# Grading



Topographic survey and grading study conducted by DPW

Redesigned street will have a more gradual crown

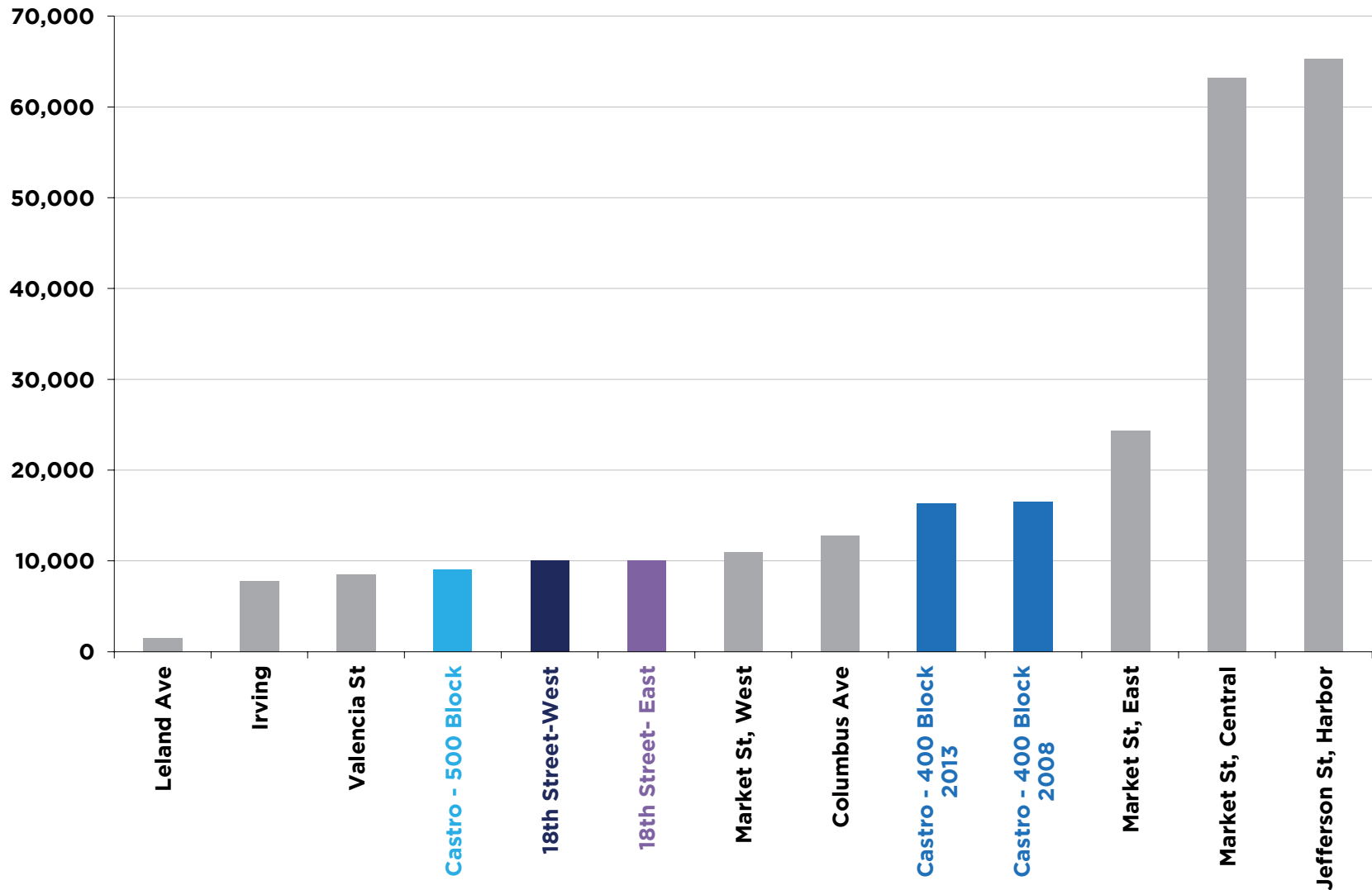
Corrects risk of trucks tilting toward curb in parking lane



# Public Life Study

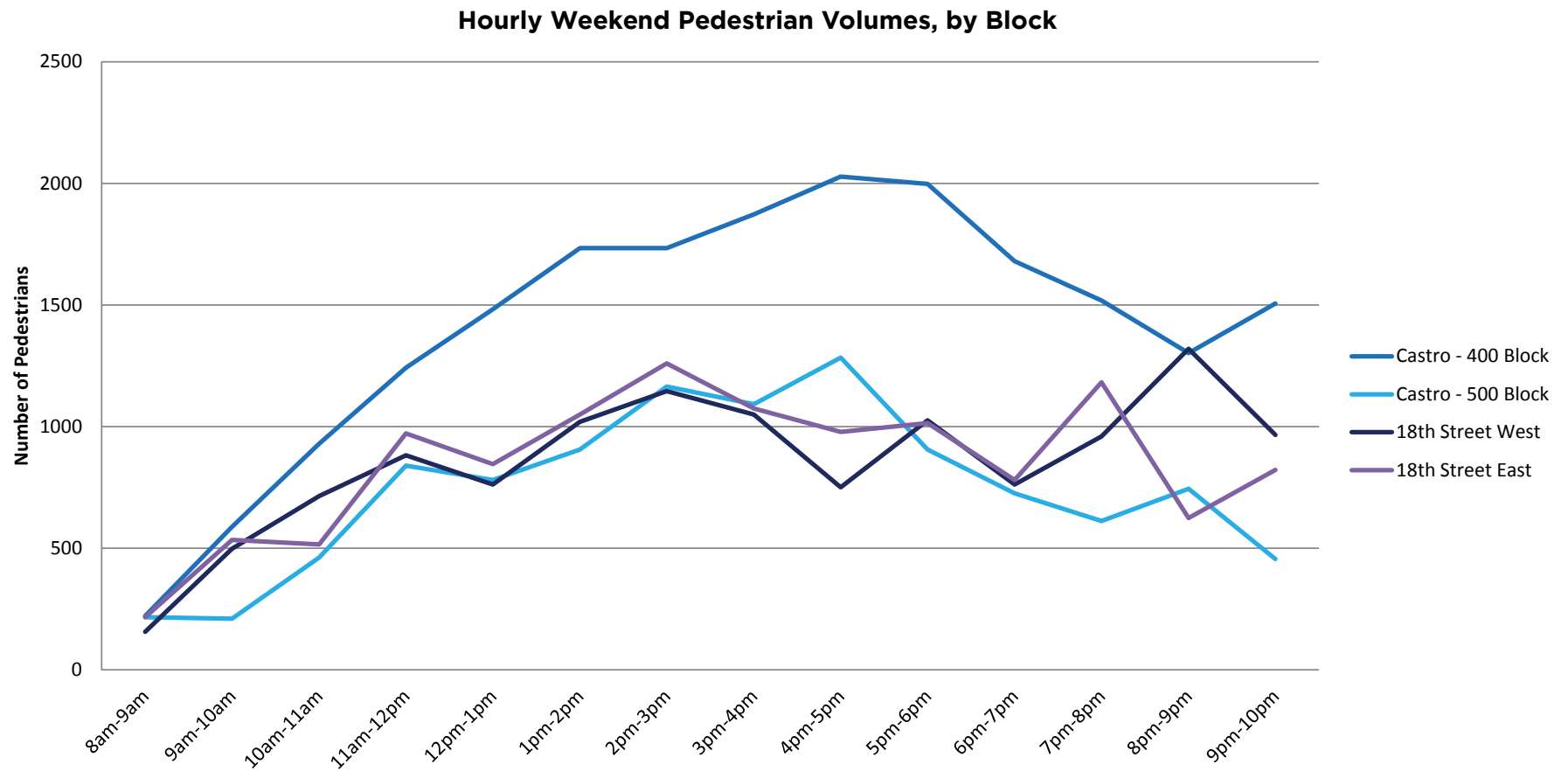
## Pedestrian Counts

**Saturday Pedestrian Volumes, by Street**



# Public Life Study

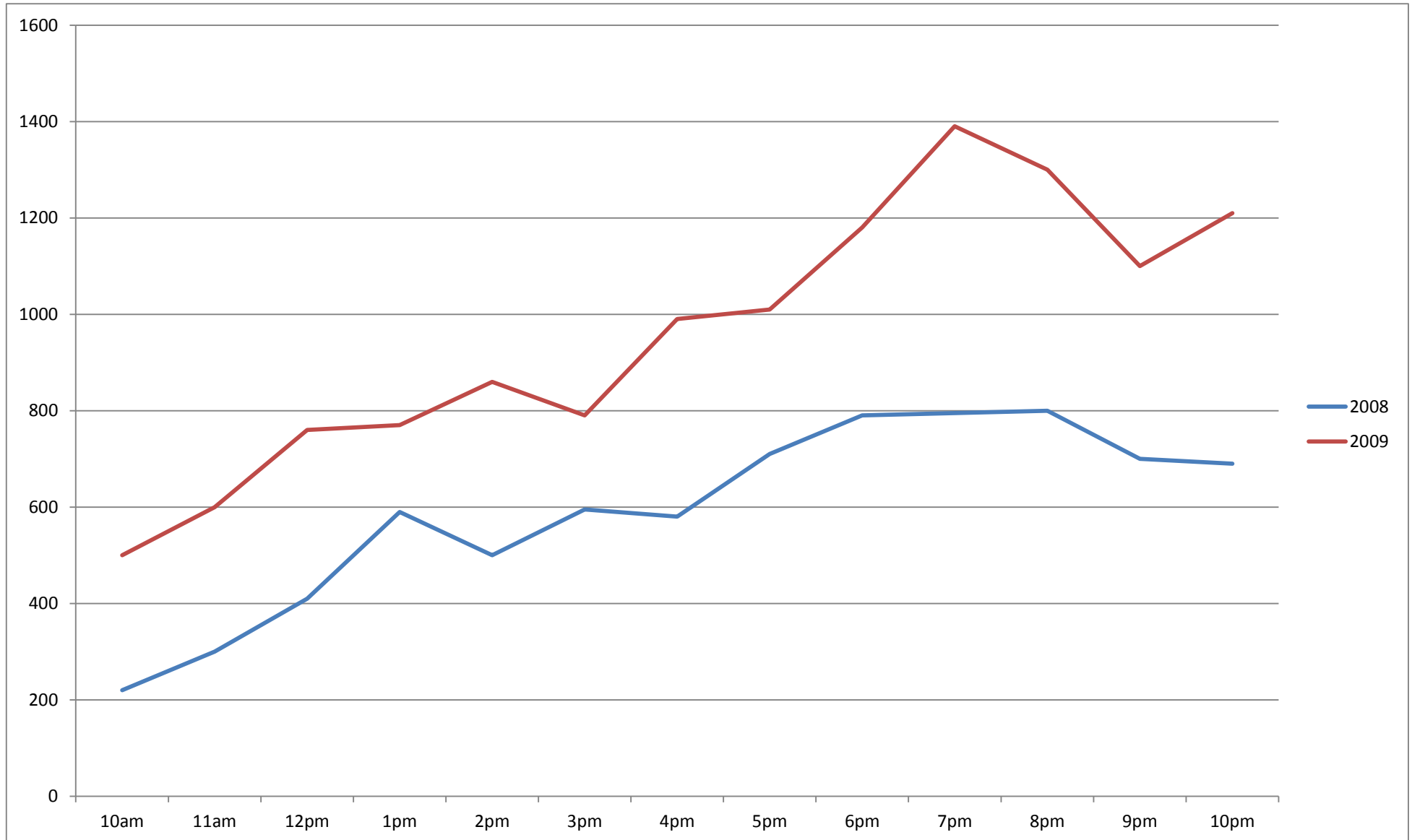
## Pedestrian Counts





# Public Life Study

Valencia Street Counts - before (2008) and after (2009) street redesign



# Public Life Study

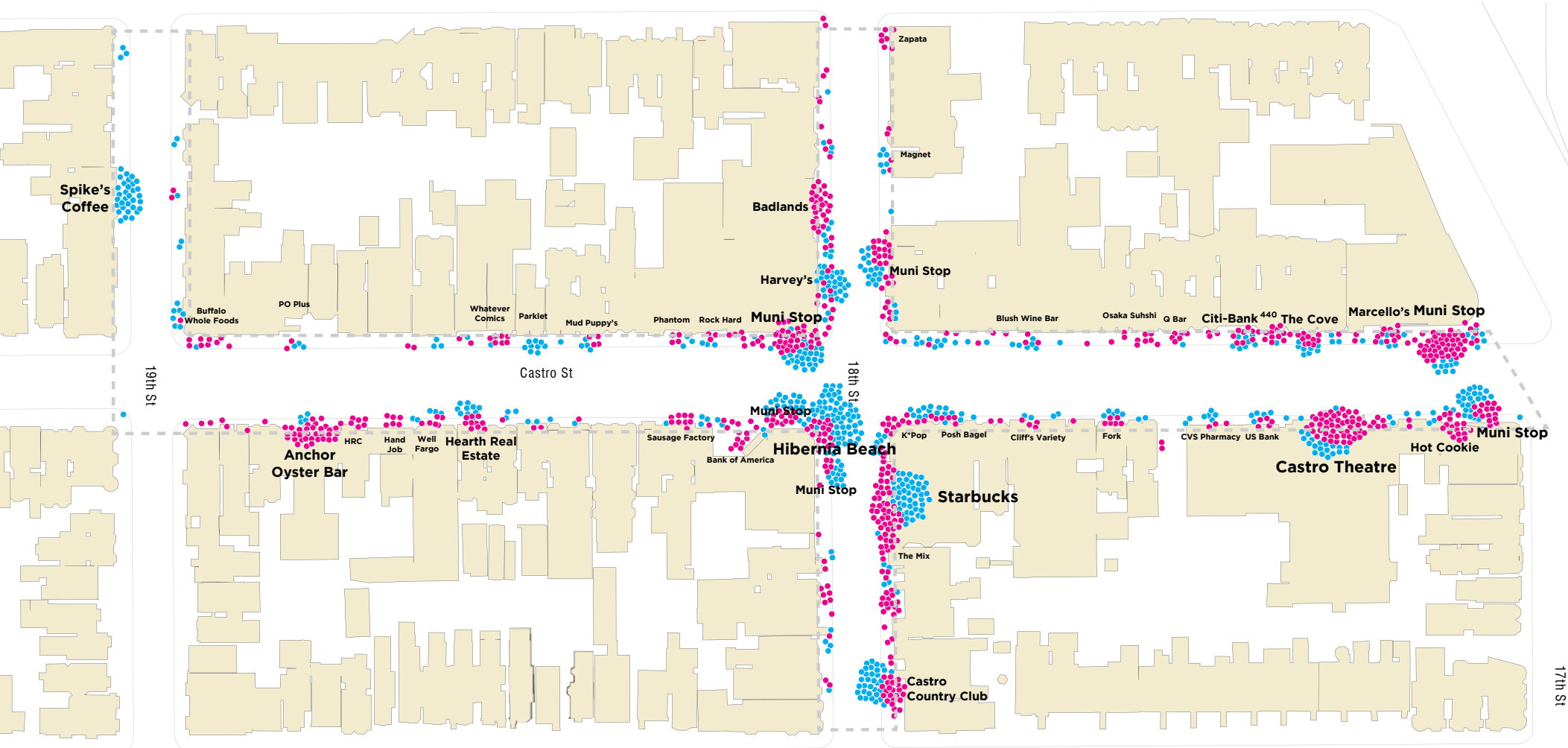
Stationary Activity Map: Each Dot = One Person Observed



Person observed in morning/early afternoon (8AM-2PM)



Person observed in afternoon/evening (2PM-10PM)

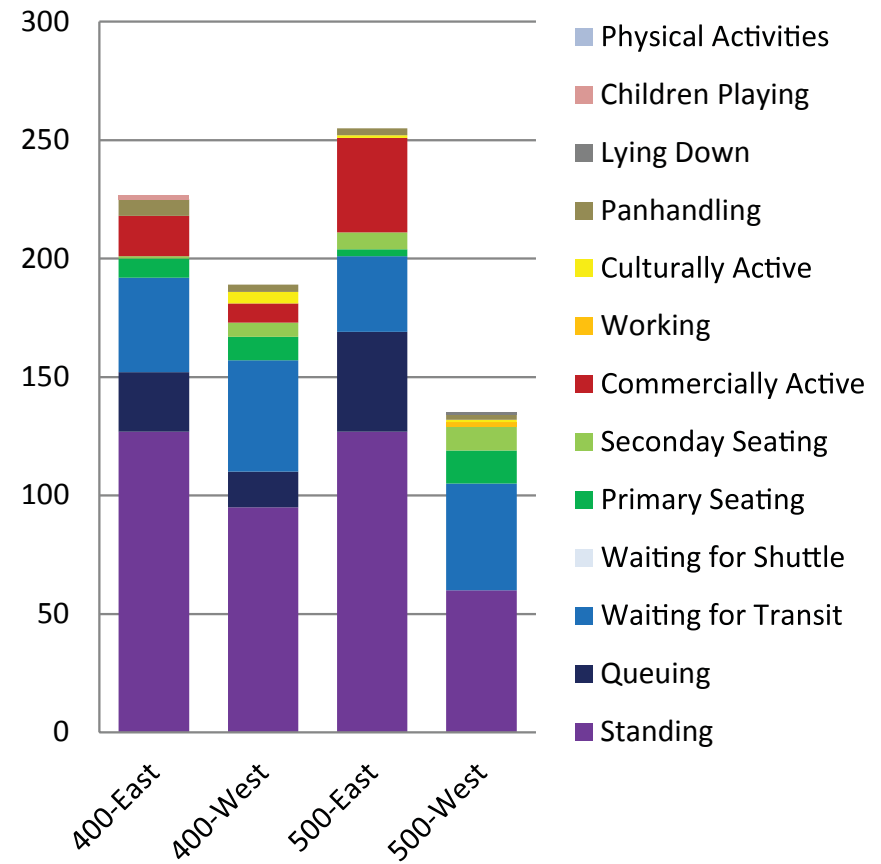


# Public Life Study

## Stationary Activities



### Castro Street Stationary Activities

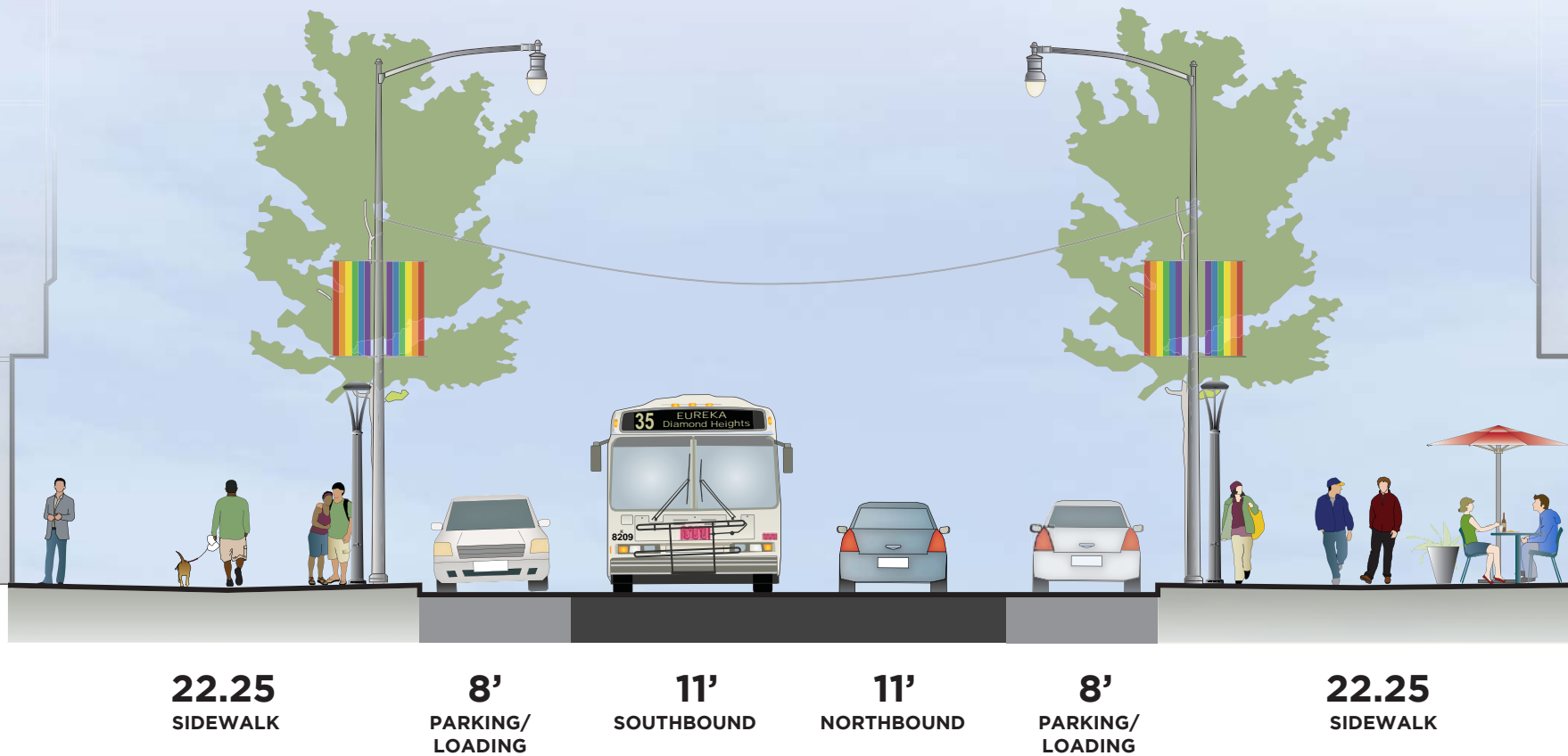




# Base Design

## Mid-Block Street Section

### PROPOSED CASTRO STREET MID-BLOCK SECTION

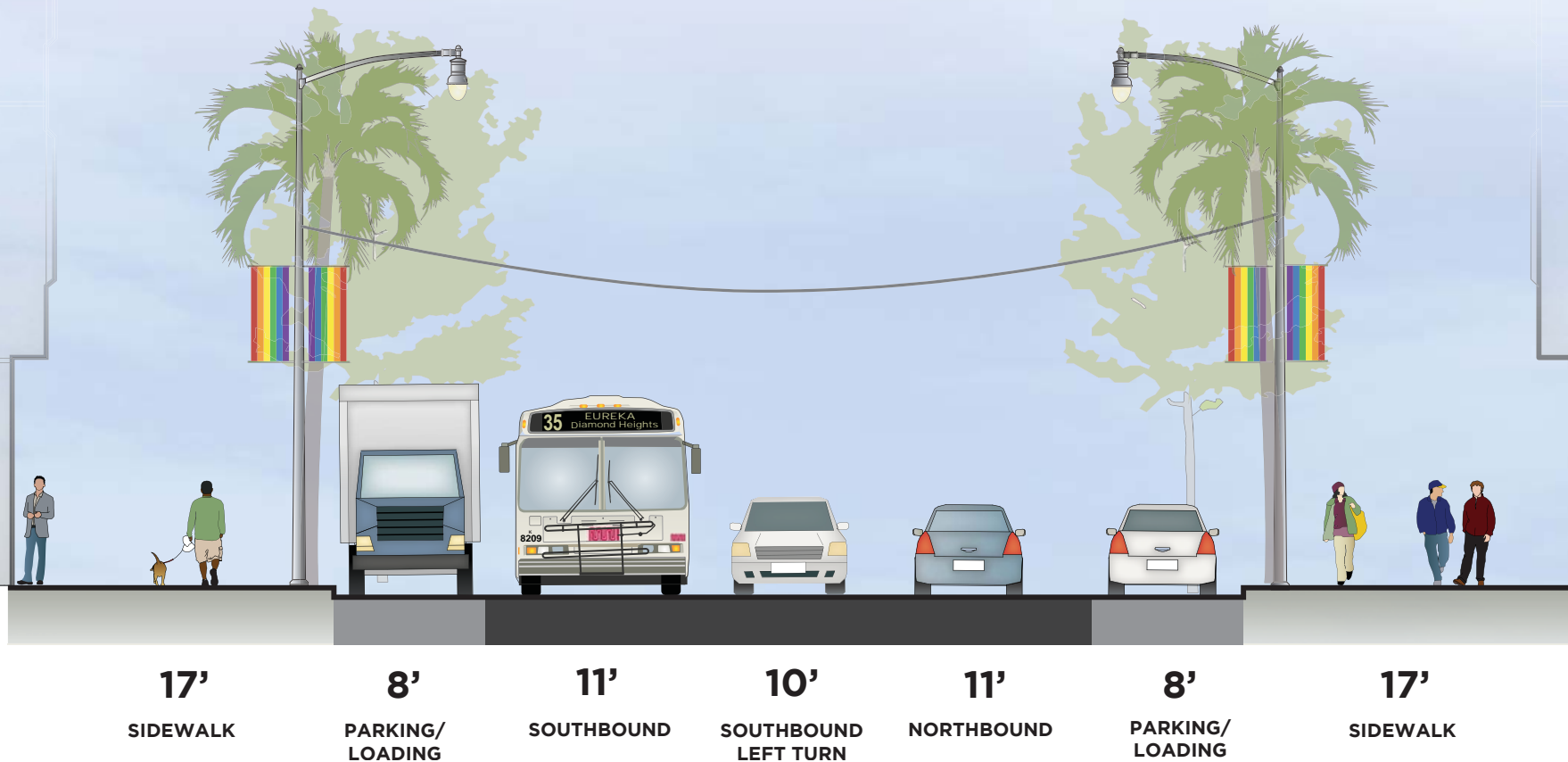




# Base Design

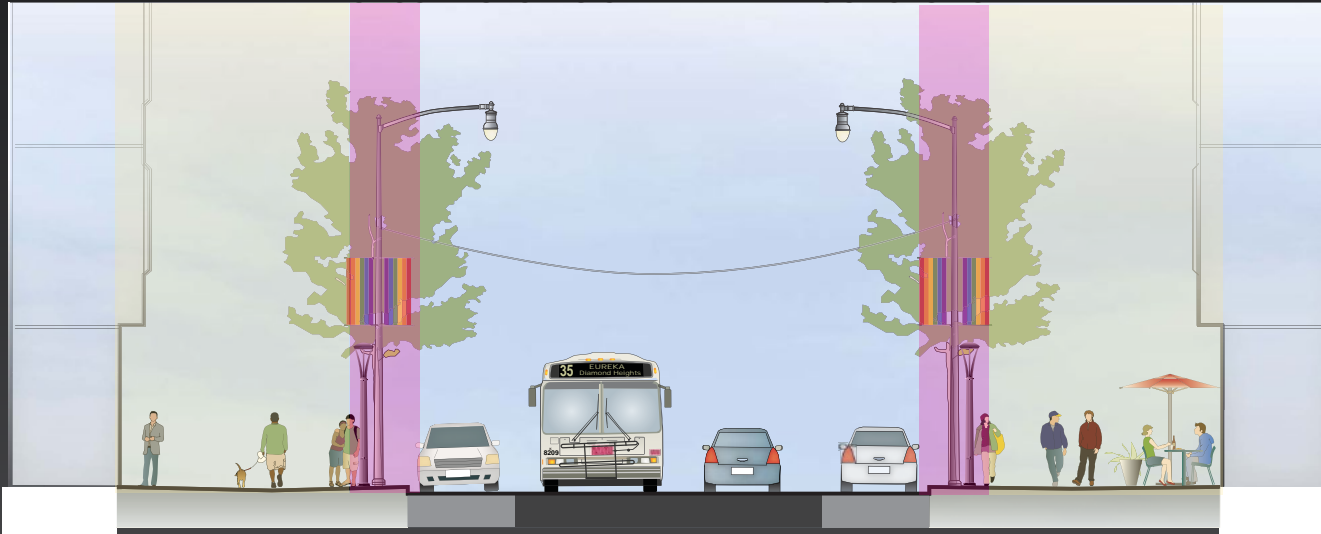
## Mid-Block Street Section

### PROPOSED SECTION - CASTRO at 18TH, NORTH OF INTERSECTION



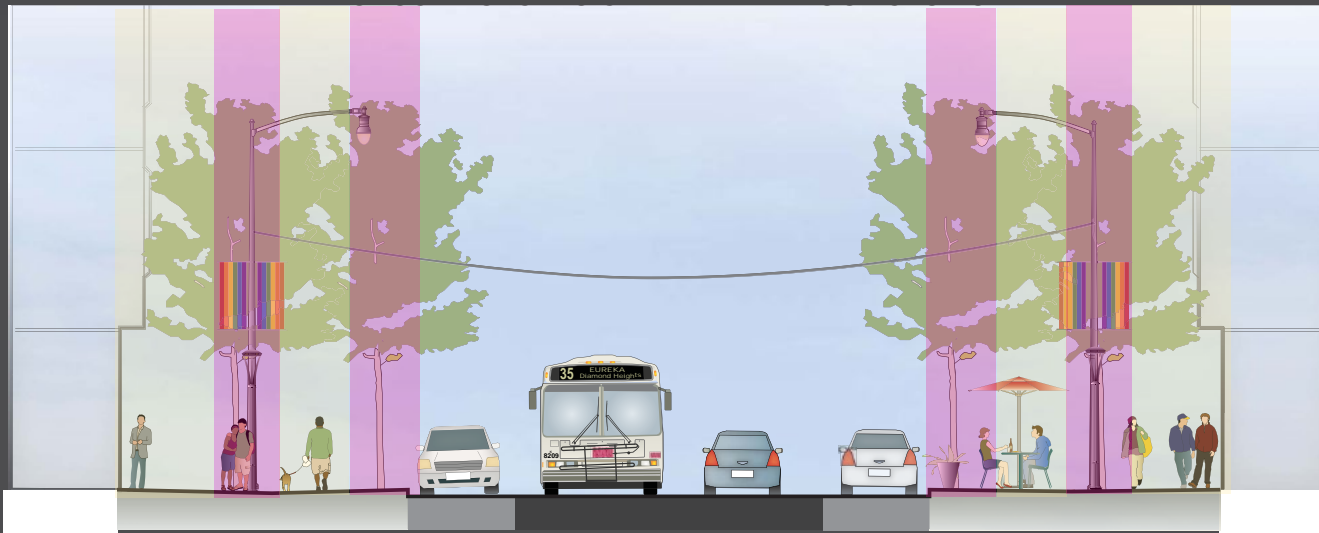
# Pole Location

## Poles Relocated



Relocating Muni poles would help create a more flexible sidewalk layout.

## Poles in Place



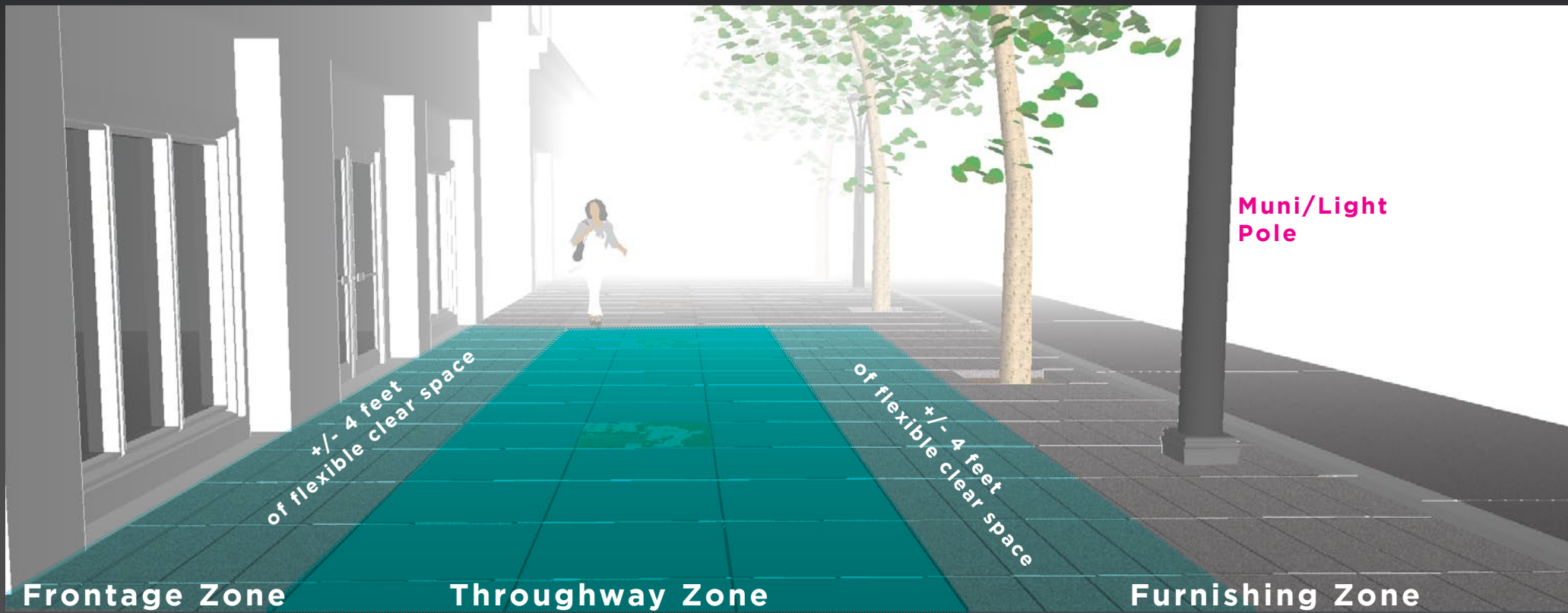
Muni pole relocation is a significant expense and could perhaps lengthen construction

# Pole Location

## Poles Relocated: Mid-Block Sidewalk Layout



# Poles Relocated



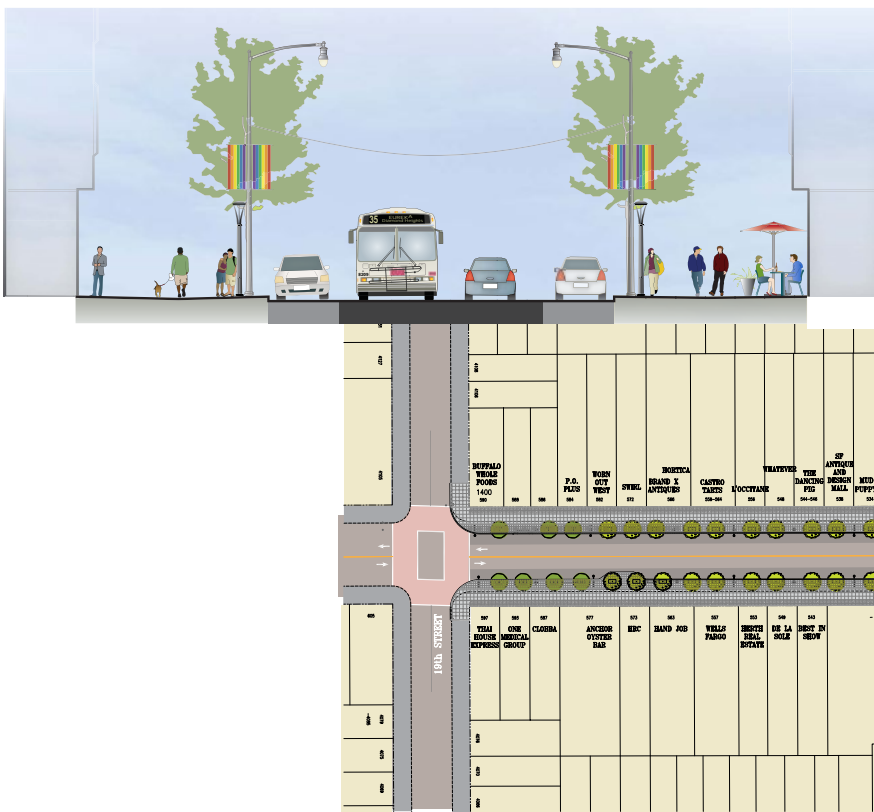
# Pole in Place



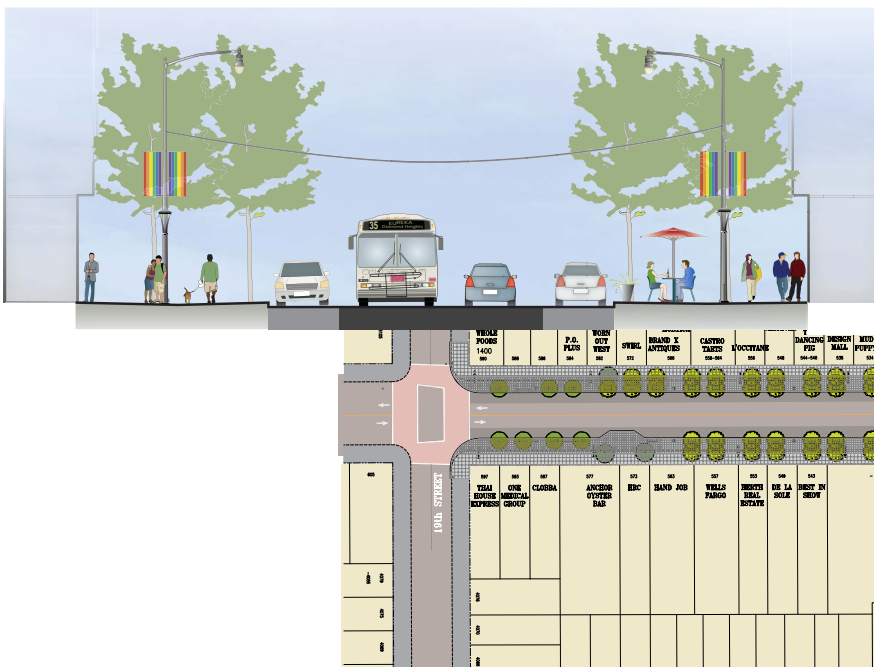


# Base Design Comparison

## Poles Relocated



## Poles in Place

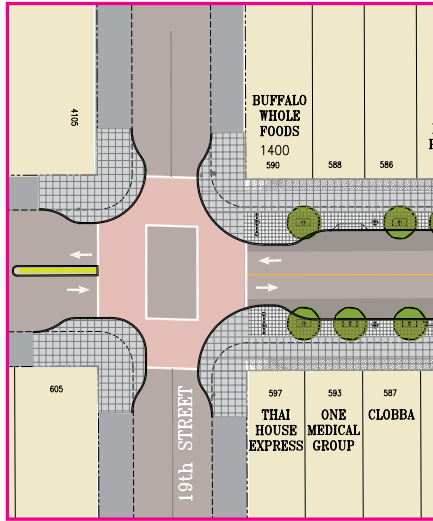


# Base Design Plan View Summary

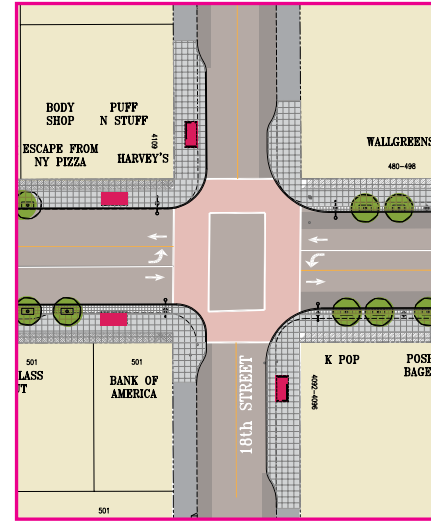


# Optional Enhancements - Community Priorities

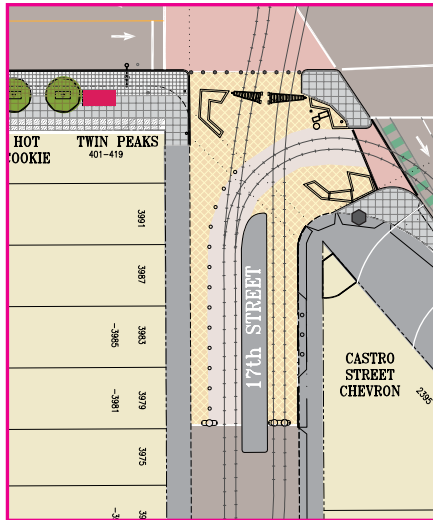
Which one to include in base design?



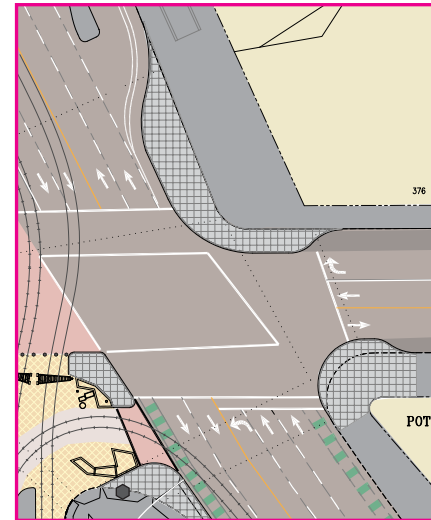
19th Street:  
Corner Bulbs-outs  
and Gateway Median



18th Street:  
Bus Bulb-Outs



Jane Warner Plaza  
Improvements:  
repaving, accessibility,  
and plaza edge  
treatments



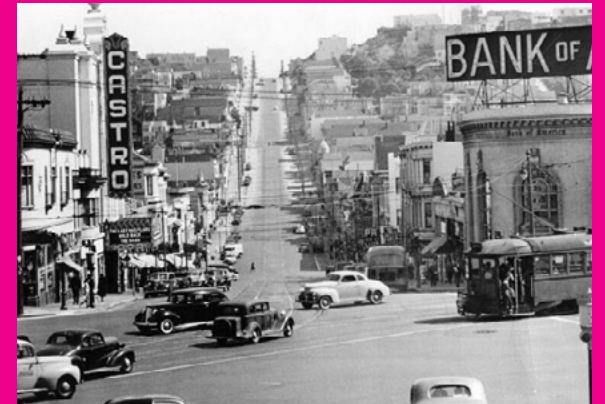
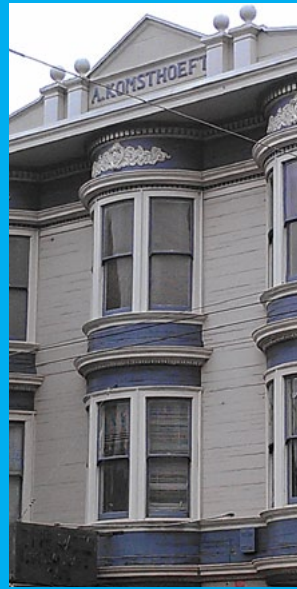
North of Market:  
Corner Bulb-outs





# DESIGN INSPIRATION

## Architectural Heritage

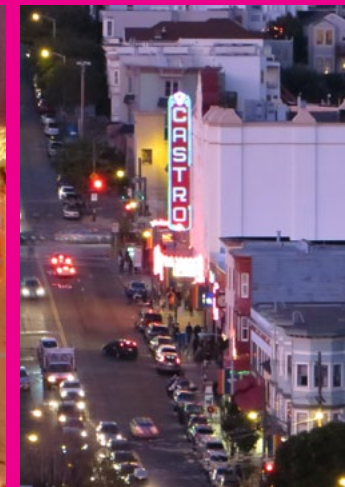


Cultural Legacy



# DESIGN INSPIRATION

From day....



...to night

## Castro Village Vibrant



# Proposed Lighting and Furnishings

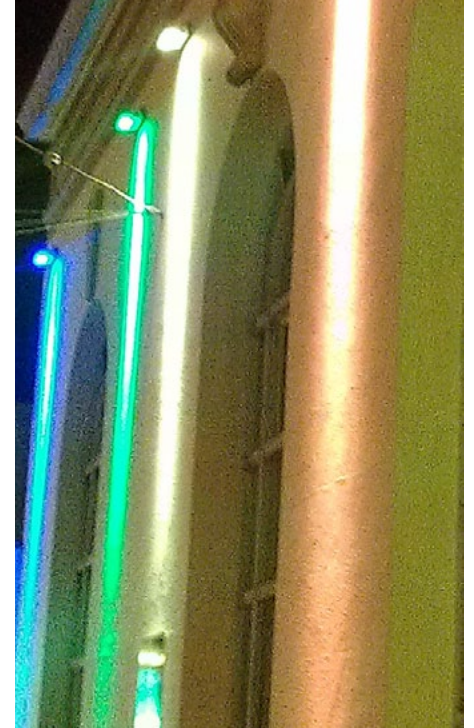
## Roadway Lighting



## Pedestrian Lighting



## Celebratory Lighting

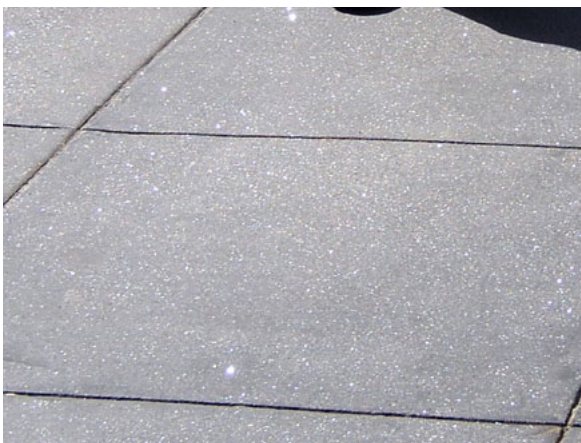


## Leaning Post





# Sidewalk Paving



“Mica Sparkles”

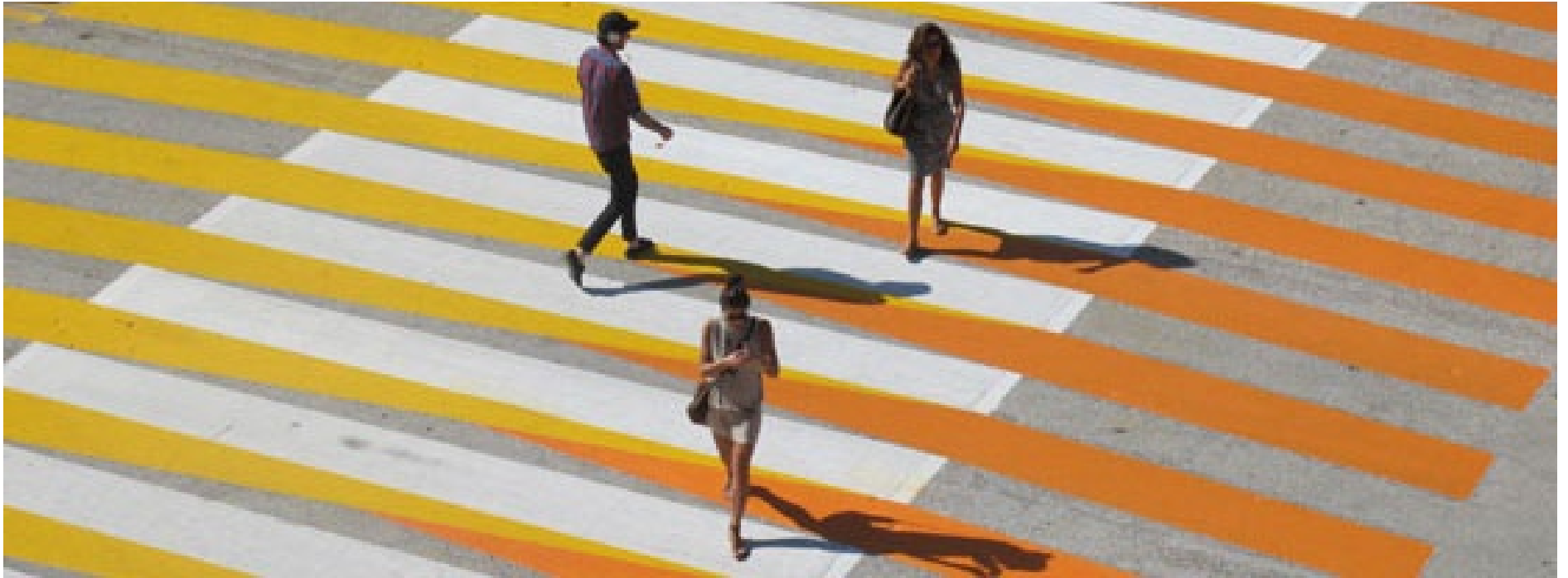


Rainbow Honor Walk  
*5 per block face*



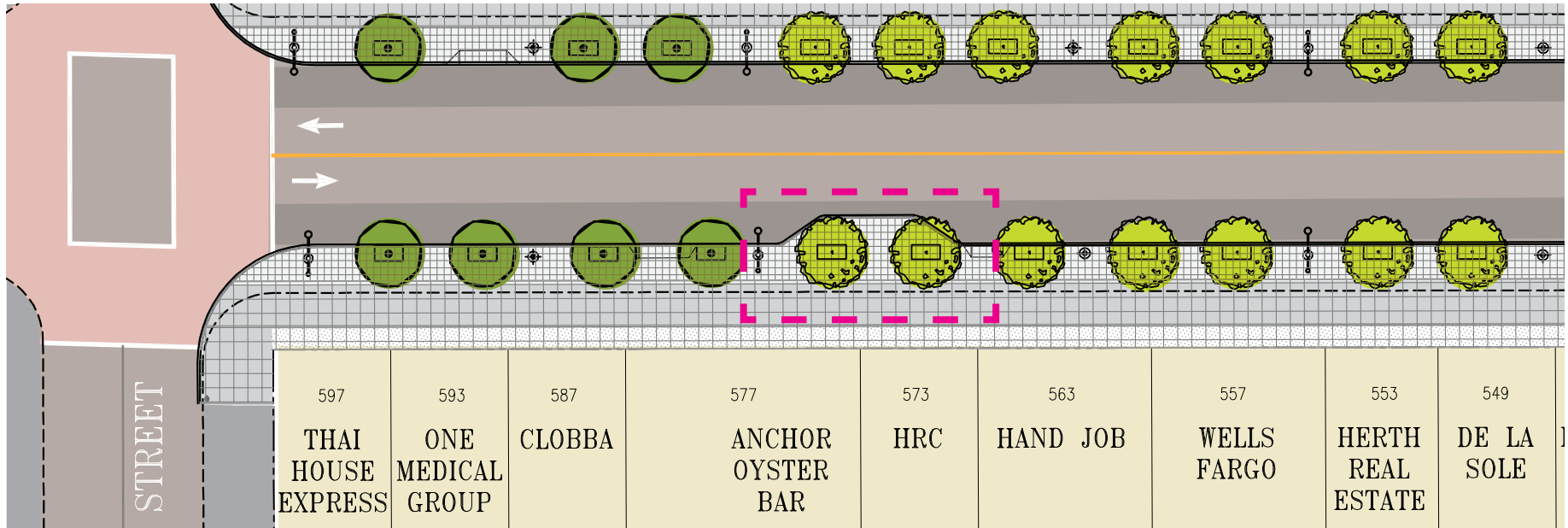
Castro History Facts

# Special Crosswalk Markings



# Mid-Block Bulb-Out

Proposal: Castro Camera/Harvey Milk Residence Mini-Plaza





# Street Trees

## The Benefits of Street Trees

- A mature tree in an urban environment provides up to \$162,000 in ecosystem services:
  - Trees absorb carbon dioxide (Up to **25 pounds** of CO<sub>2</sub> per year)
  - Trees produce oxygen. Two medium-sized, healthy trees can supply the oxygen required for a single person for a year.
  - Trees reduce up to **60%** of particulate pollution in the air
  - Trees provide erosion control and act as flood control agents by intercepting **1,006 gallons** of rainwater per year
  - Trees provide habitat for birds and beneficial insects
  - People are more likely to shop on streets that are planted with trees
- Clean and green settings experience less petty crimes such as vandalism, graffiti and litter \*\*
- Trees act as traffic calming agents (drivers perceive the street as narrower)\*

\*Michael Kinsley - Rocky Mountain Institute, Denver CO

\*\*New Kensington Study-The Wharton School

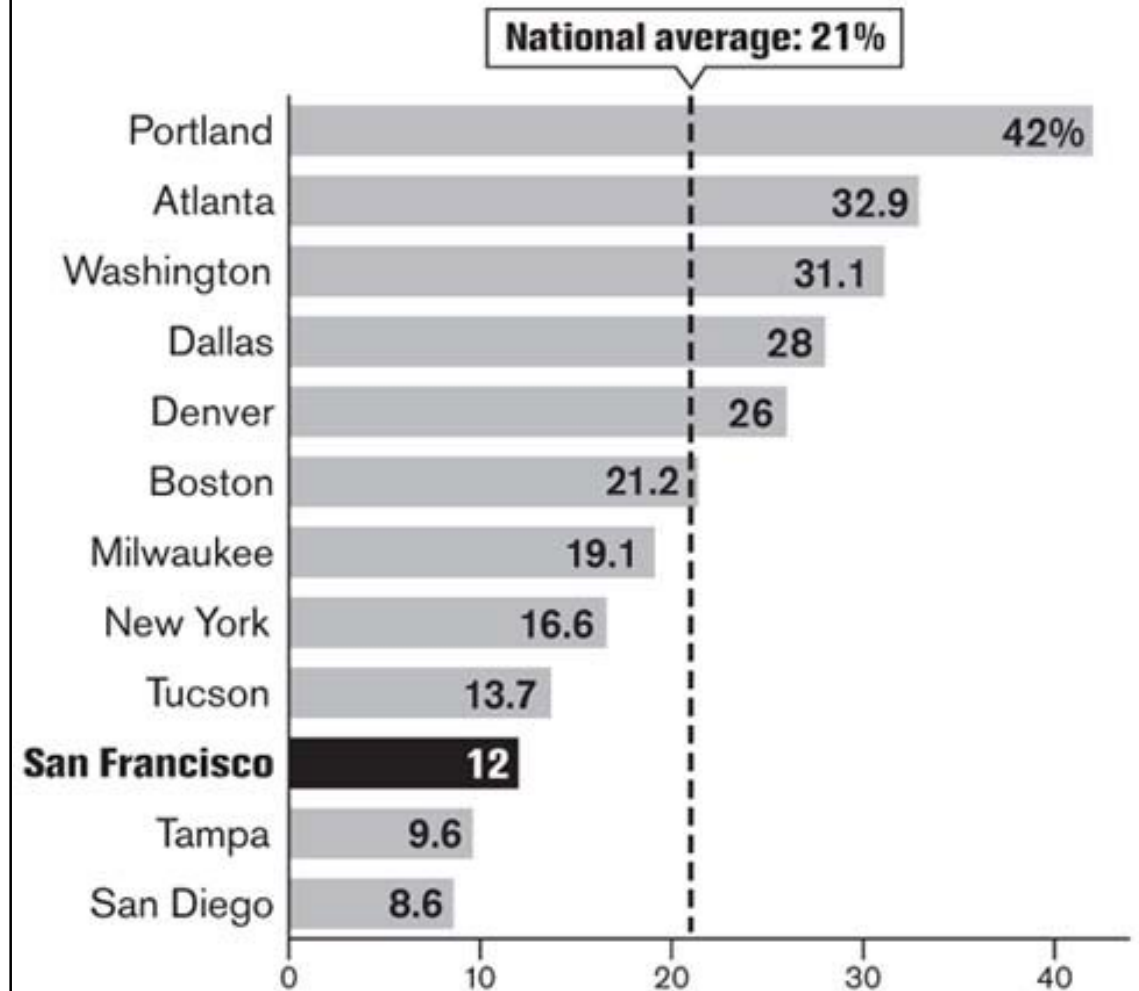
# Street Trees

## The Benefits of Street Trees

Less than 12% of San Francisco is covered by tree canopy, compared to National Average with 21% tree cover

### Cities and their trees

Percentage of tree canopy cover in selected U.S. cities:



Source: Center for Urban Forest Research at UC Davis

# Street Tree Options

Deciduous Trees, Primary at Mid-Block



White Barked Birch  
*Betula utilis*  
*'Jacquemontii'*



Armstrong Maple  
*Acer rubrum 'Armstrong'*



Columnar Ginkgo  
*Ginkgo biloba 'Princeton Sentry'*



# Street Tree Options

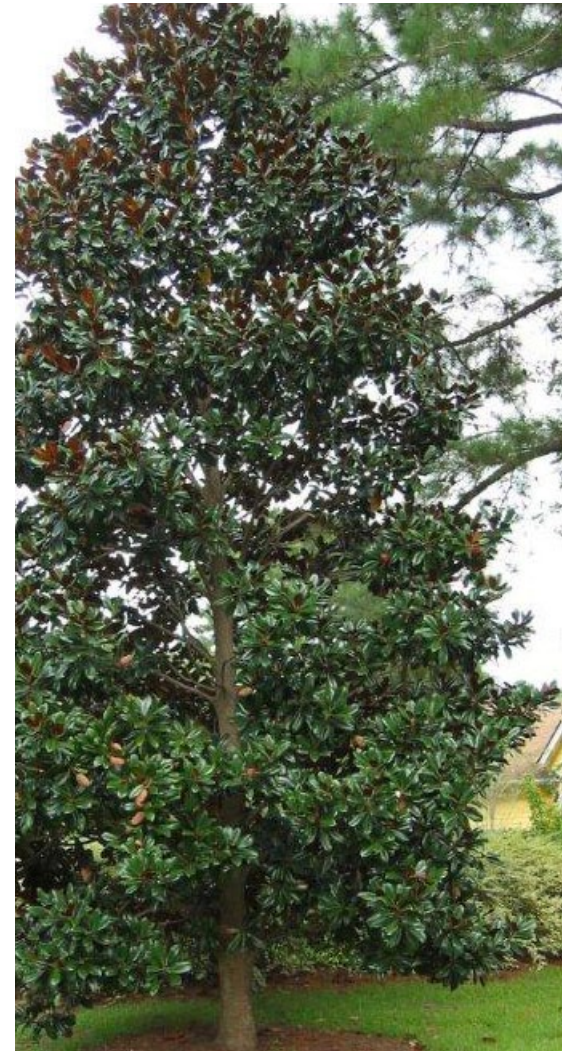
Evergreen Trees, Accent at Corners



King Palm  
*Archontophoenix  
cunninghamiana*



Queen Palm  
*Syagrus romanzoffiana*



Southern Magnolia  
*Magnolia grandiflora*  
'DD Blanchard

# DISCUSSION GROUP AGENDA

1. Introductions & plan overview (10 min)
2. Design priorities discussion (30 min)
3. Workshop survey (10 min)
4. Workshop feedback form (5 min)
5. Report Back by facilitators

WORKSHOP 2  
SURVEY

**CASTRO STREET DESIGN**  
Thank you for your interest in the Castro Street Design project. Please take a few minutes to complete this questionnaire. Your feedback will help the City determine how to prioritize funding for improvements along Castro Street. Thanks!

Name (optional): \_\_\_\_\_

Home Address or Intersection (optional): \_\_\_\_\_ Zip Code: \_\_\_\_\_

**1. What is your connection to Castro Street?** (Check all that apply)


☐ Resident ☐ Merchant ☐ Property Owner ☐ Visitor ☐ Other, please specify \_\_\_\_\_

**2. Castro Street Base Design:** The base design for Castro Street includes wider sidewalks with new paving materials, a new crosswalk on Market and Castro, corner bulb-outs at 18th Street, street lighting, site furnishings and street trees. What do you think of the base design?

☐ Strongly Like ☐ Somewhat Like ☐ Somewhat Dislike ☐ Strongly Dislike


**3. Sidewalk Paving and Layout:** The proposed sidewalk layout includes a 9-foot throughway zone with standard gray concrete scored in 3-foot by 3-foot squares, with space for the Rainbow Honor Walk in the center square. A frontage zone and furnishing zone of varying widths would flank the throughway zone. Please look at the two drawings below and let us know what you think. For more information, please see the *Sidewalk Layout Board*.

**3A. What do you think of the proposed sidewalk layout with street poles relocated?**



☐ Strongly Like ☐ Somewhat Like  
☐ Somewhat Dislike ☐ Strongly Dislike

**3B. What do you think of the proposed sidewalk layout with street poles remaining in place?**



☐ Strongly Like ☐ Somewhat Like  
☐ Somewhat Dislike ☐ Strongly Dislike

**4. MUNI/Light Poles:** Combining Muni and roadway light poles and relocating them to the edge of the widened sidewalk would allow for more flexible use of the sidewalks. However, relocating these poles is a significant expense for the City and could lengthen the construction timeline. How important do you think it is for the City to relocate the poles?

☐ Very important ☐ Important ☐ Somewhat important ☐ Not important

**5. Optional Enhancements:** The project's budget may be able to accommodate one of the design features described below. Each feature is roughly comparable in cost. Please select the **one** you would most like to see included:

☐ Option 1: 19th Street Corner Bulb-outs & Gateway Median ☐ Option 2: 18th Street Bus Bulb-Outs  
☐ Option 3: Jane Warner Plaza Improvements: repaving, accessibility, and plaza edge treatments  
☐ Option 4: North of Market Corner Bulb-outs

**6. Mid-Block Bulb-Out:** The revised design shows a mid-block bulb-out replacing two parking spots in front of the Harvey Milk Residence and Castro Camera shop building (573 Castro Street). This bulb-out would create a mini-plaza which highlights this historic landmark and creates space for additional sidewalk amenities. Do you support this concept?

☐ Yes, I support a mini-plaza in front of the Harvey Milk Camera Shop building



# NEXT STEPS

Feedback:

- Complete the survey by **April 12, 2013**
- Final Open House - late April/early May

For more information:

- Visit the project website  
<http://castrostreetdesign.sfplanning.org>
- Join the project mailing list  
<http://signup.sfplanning.org>  
( Choose Sign me up for: Castro Street Design Project )
- Questions or Comments  
[Nicholas.Perry@sfgov.org](mailto:Nicholas.Perry@sfgov.org) | 415.575-9066



*Thank you for attending!*