Masonic Ave Street Design Study

Community Workshop 1

June 15, 2010

Introduction

SF Municipal Transportation Agency
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SF Department of Public Works
Martha Ketterer , John Dennis, Fiona Cundy

SF Planning Department
Nick Perry and Adam Varat

Thanks to the SF Day School for allowing us to use their space for the community workshop.

Also, thanks to Elizabeth Macdonald's DCRP Studio at UC Berkeley for their Masonic Avenue analysis information, some of which we've used in the presentation tonight.

Agenda

45 minutes

- Presentation on current policies, existing conditions and design ideas for Masonic Avenue

45 minutes

- Break out group session
  - Identify Masonic Ave priorities
  -"Ideal cross section" activity

15 minutes

- Regroup and report back
- Next steps

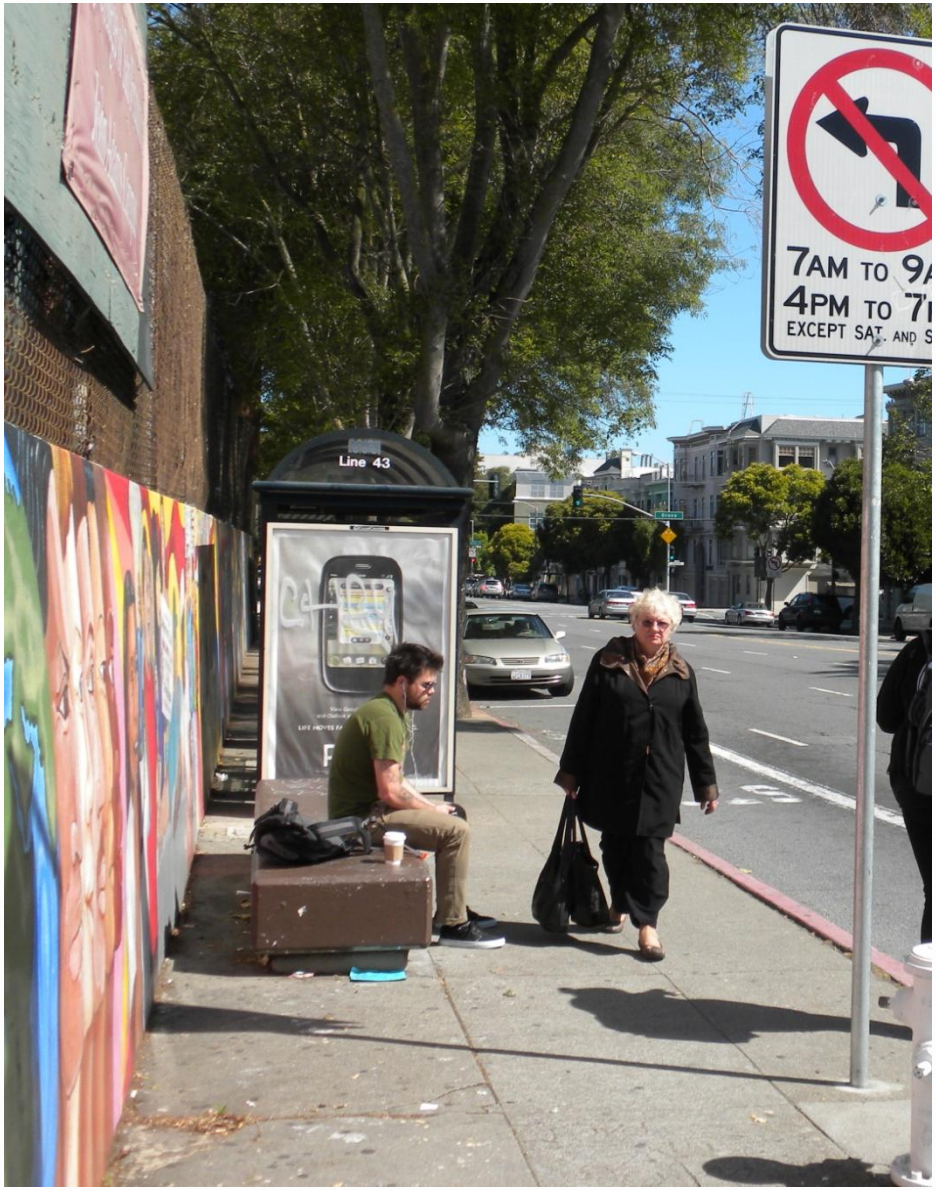
Project Area

Masonic Avenue from
Fell Street to Geary Blvd.

Courtesy of UC Berkeley

Project Goals

The primary goal of this project is to identify how Masonic Avenue between Geary Blvd. and Fell St. can safely and efficiently accommodate the needs of all roadway users, including but not limited to pedestrians, bicyclists, motorists, and Muni.



Project Objectives

- Engage representatives of all constituencies within the community who would be impacted by changes to Masonic Avenue including, but not limited to, residents on Masonic Avenue, residents on side-streets, merchants, school representatives, bicyclists, Muni passengers, and pedestrians.
- Improve transit operation.
- Improve pedestrian and non-motorized access to transit.
- Increase the safety of pedestrian crossings.
- Increase motorist compliance with traffic rules and regulations.
- Reduce the number of vehicular collisions, especially those involving pedestrians and bicyclists.
- Support neighborhood vitality by creating a more inviting and accommodating public realm.

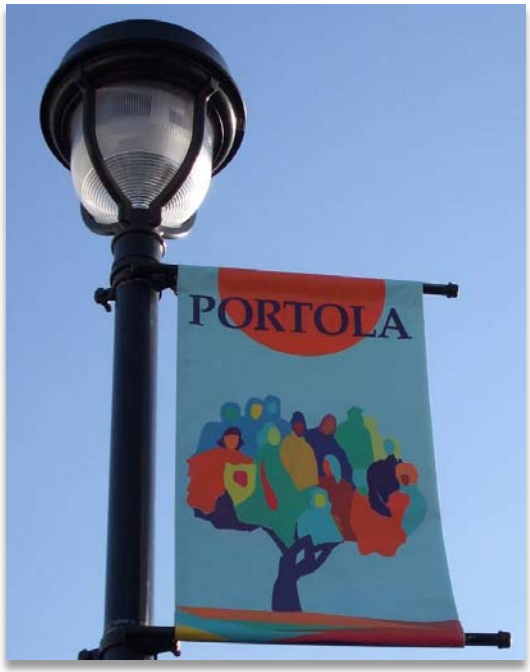
Policy Overview

- Better Streets Plan
- Bicycle Plan
- Transit Effectiveness Program - (TEP)
- Stormwater Design Guidelines
- Recreation and Open Space Element - (ROSE)

San Francisco Streetscape Projects

San Francisco Streetscape Projects

Polk Street



San Bruno Ave

Van Ness Avenue

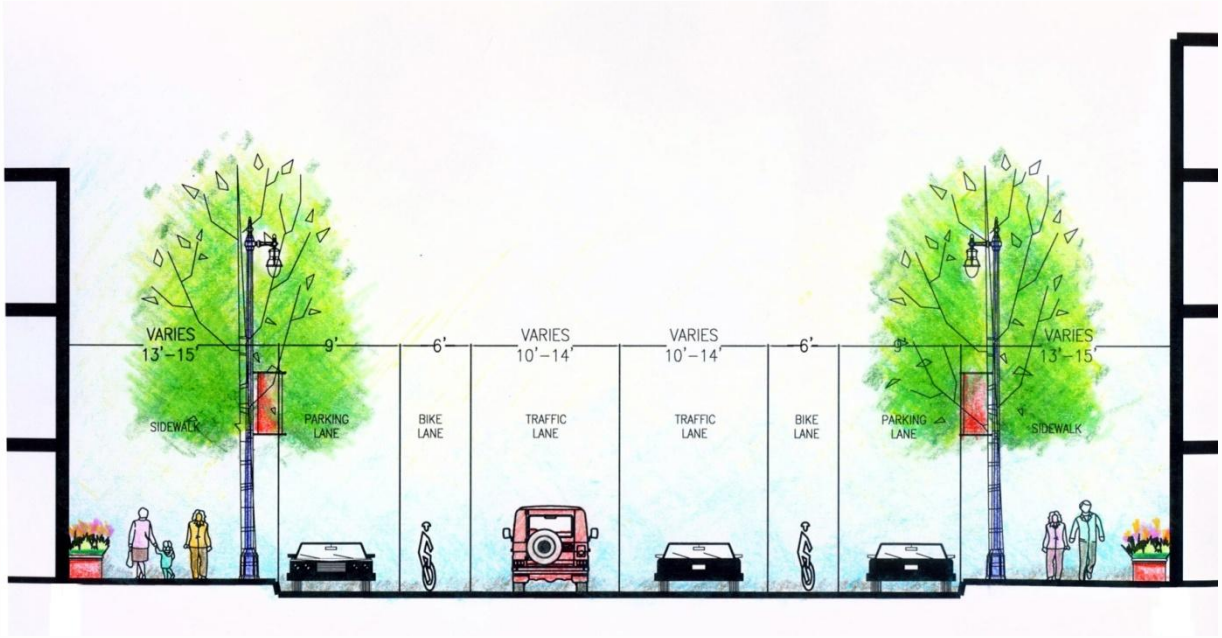
Broadway Street

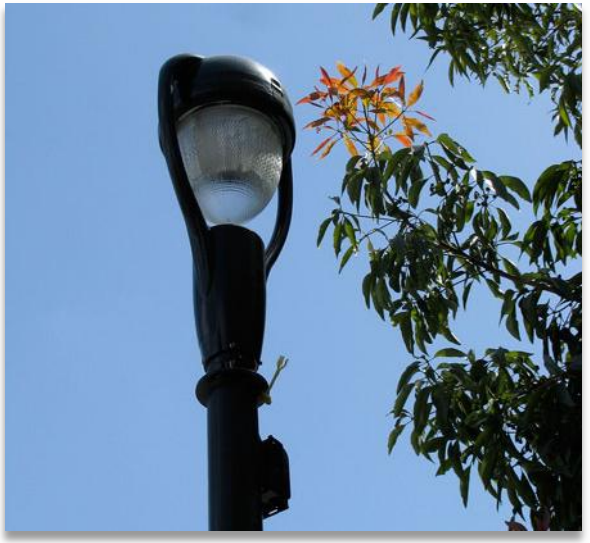
San Francisco Streetscape Projects

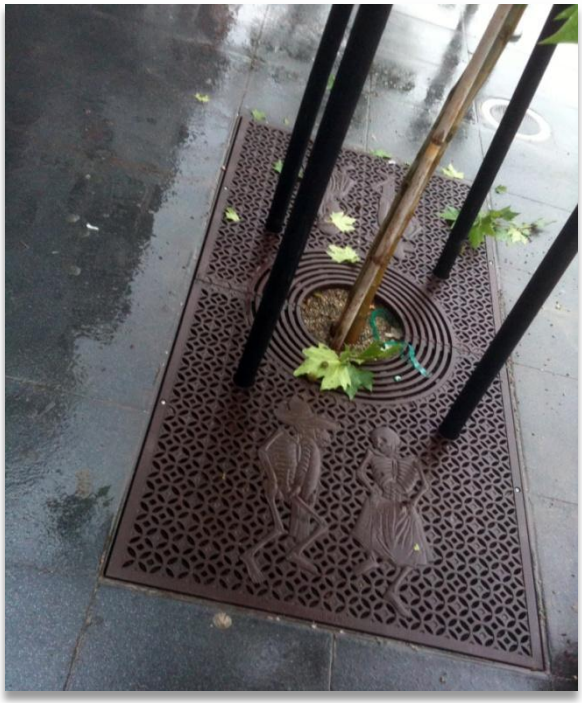
Leland Avenue

San Francisco Streetscape Projects

Valencia Street





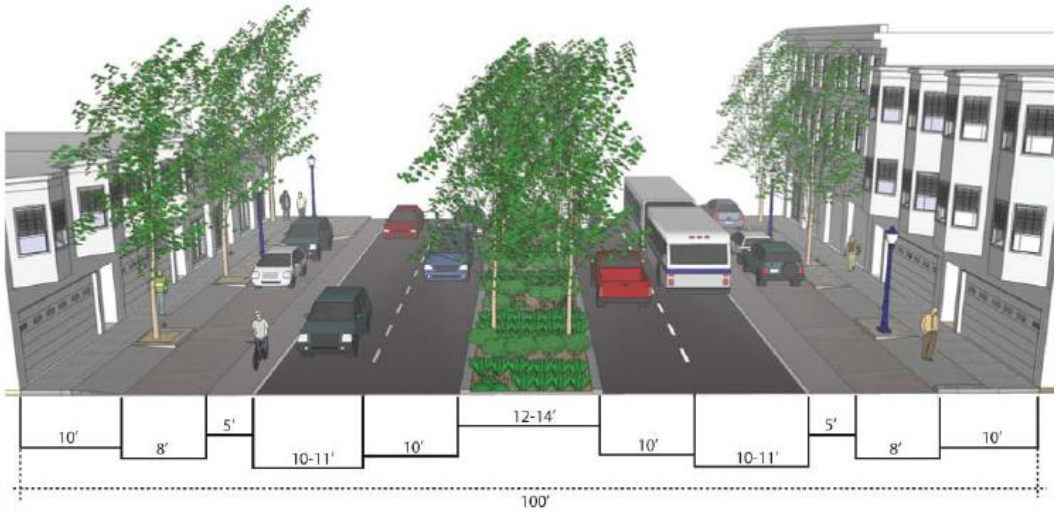


San Francisco Streetscape Projects

Divisadero Street

San Francisco Streetscape Projects

Design phase



Cesar Chavez Street

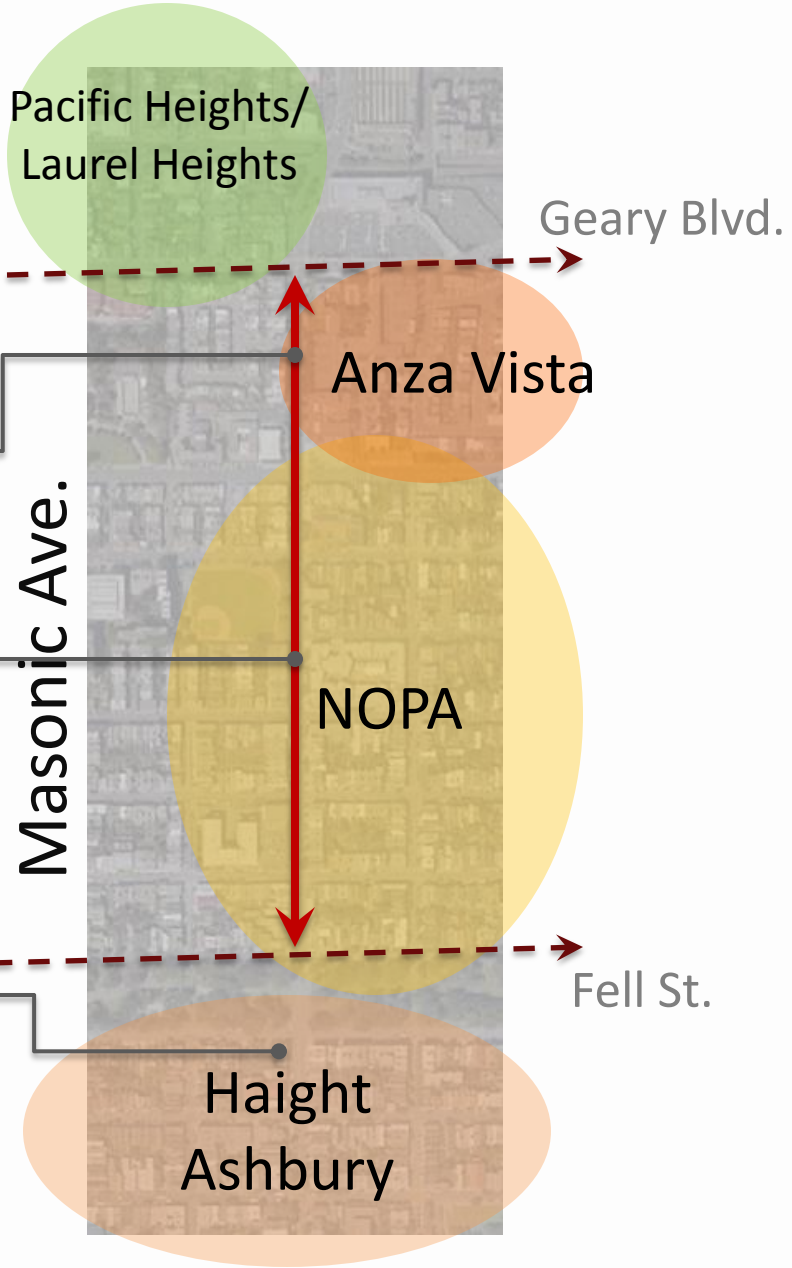
Balboa Street

Existing Conditions – Physical Elements Overview

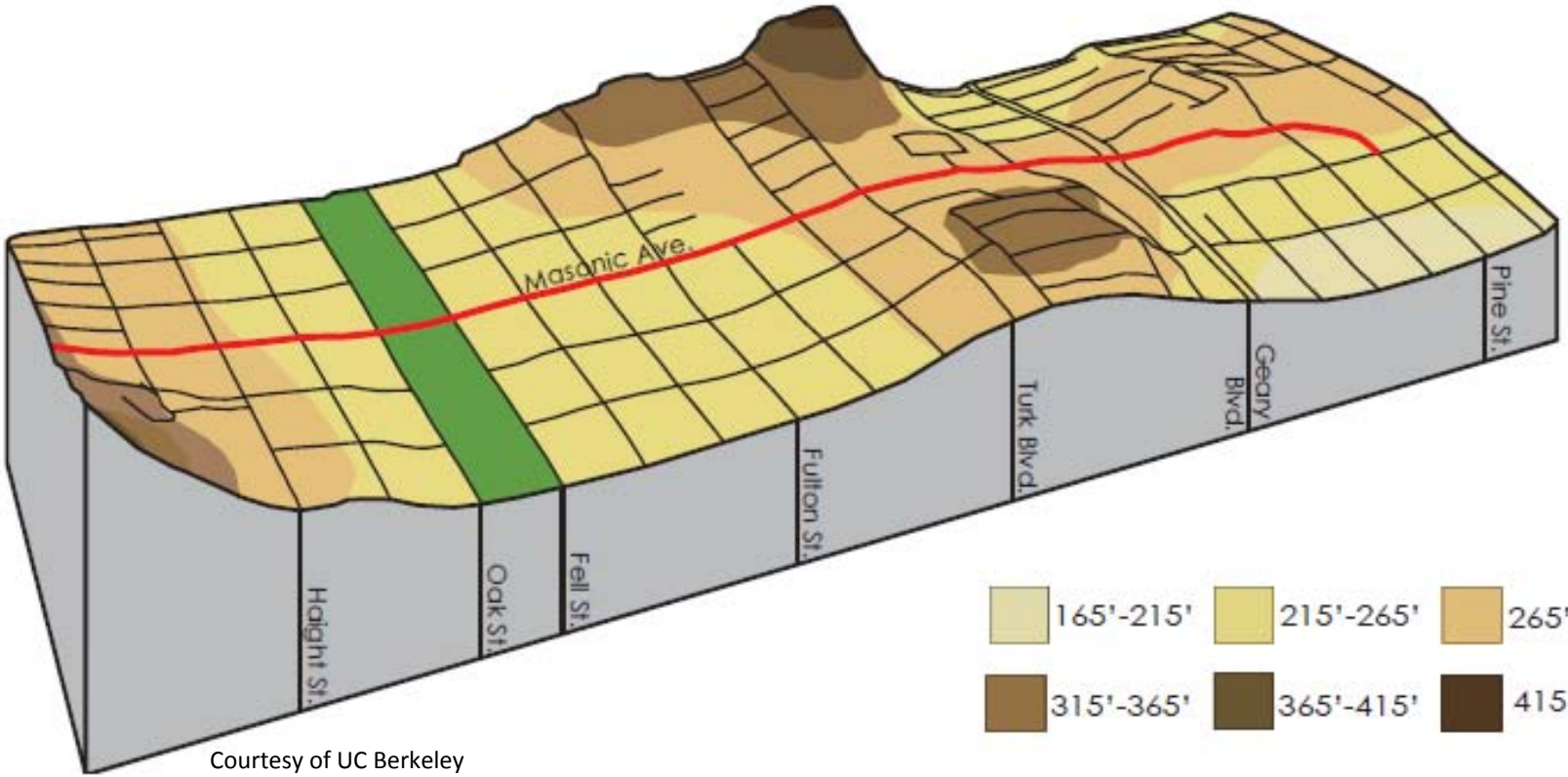
Neighborhood Identity,
Topography, Schools, Lighting
Street Trees

Existing Conditions – Neighborhood Identity

Courtesy of UC Berkeley



Existing Conditions – Topography



Courtesy of UC Berkeley

Existing Conditions - Schools

1. University of San Francisco

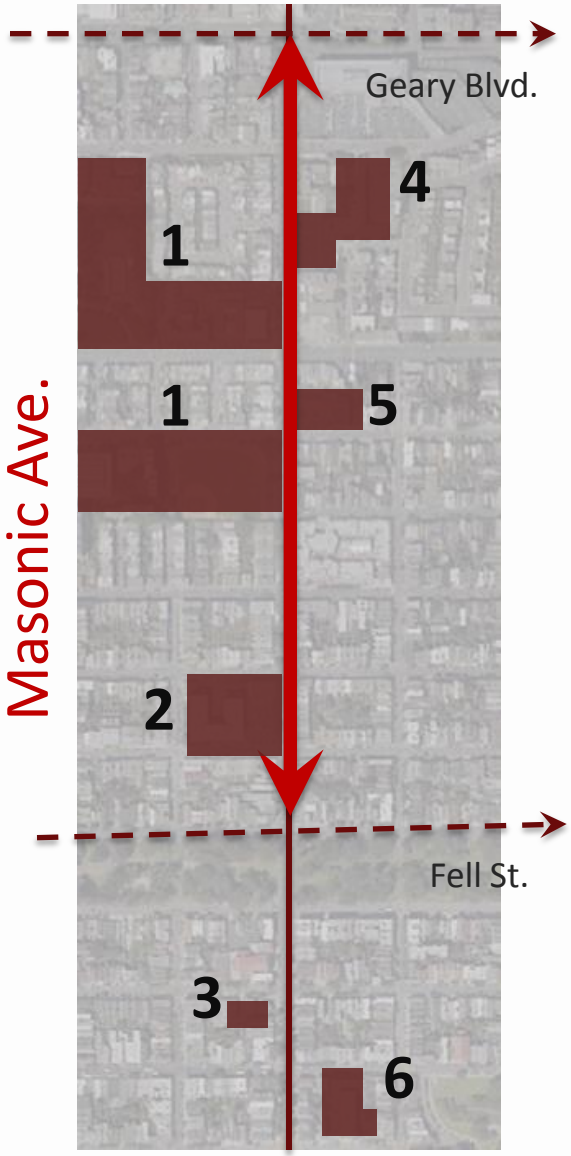
2. City College John Adams Campus

3. Whitney Young Child Dev. Center

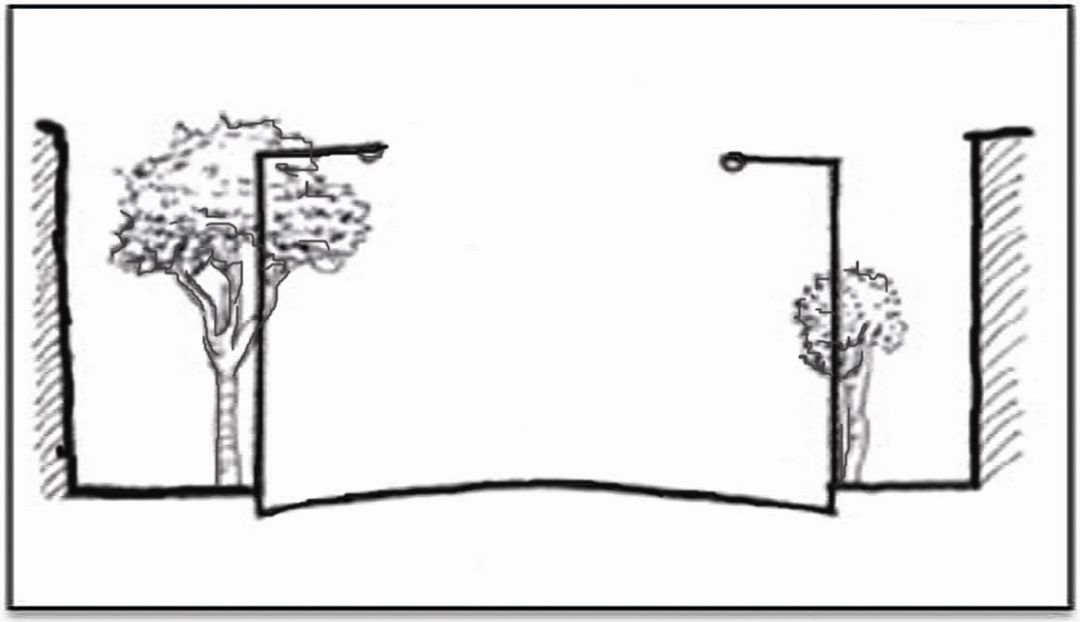
4. Wallenberg High School

5. SF Day School

6. Chinese Immersion School at De Avila

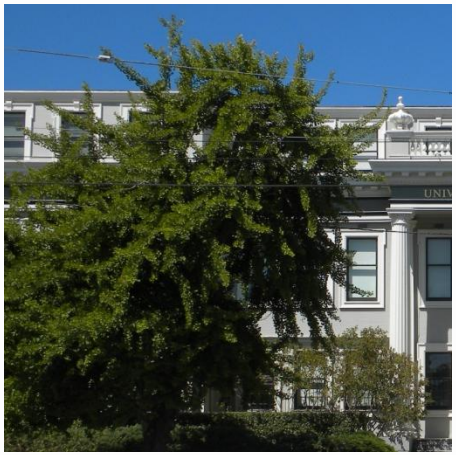


Existing Conditions - Lighting



Existing informal lighting section

Existing Conditions - Trees



Ginkgo biloba
Maidenhair

Metrosideros excelsus
New Zealand Christmas Tree

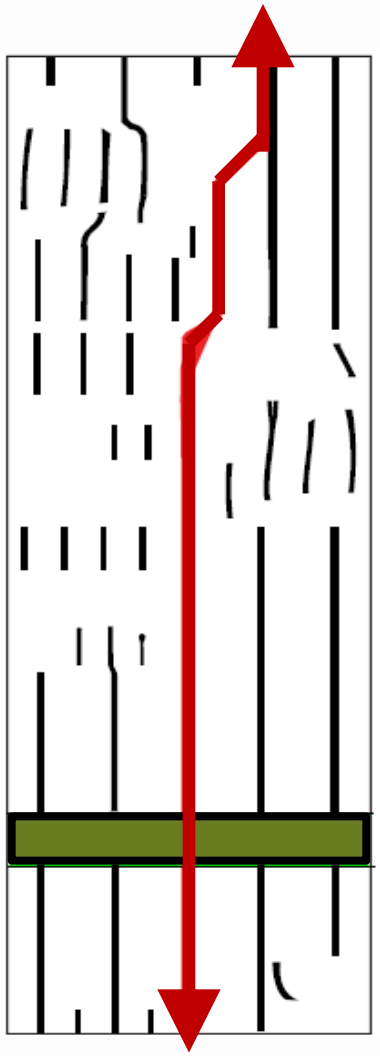
Fraxinus uhdei
Modesto Ash

Acacia melanoxylon
Blackwood Acacia

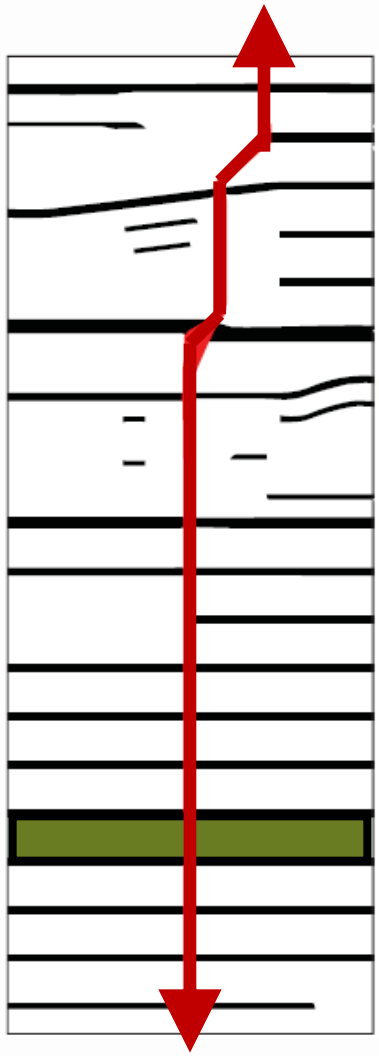
Existing Conditions – Traffic Related Overview

Existing Conditions - Street Networks

Masonic Ave is the only through street running North/South between Park Presidio and Divisadero Streets.



North – South Streets

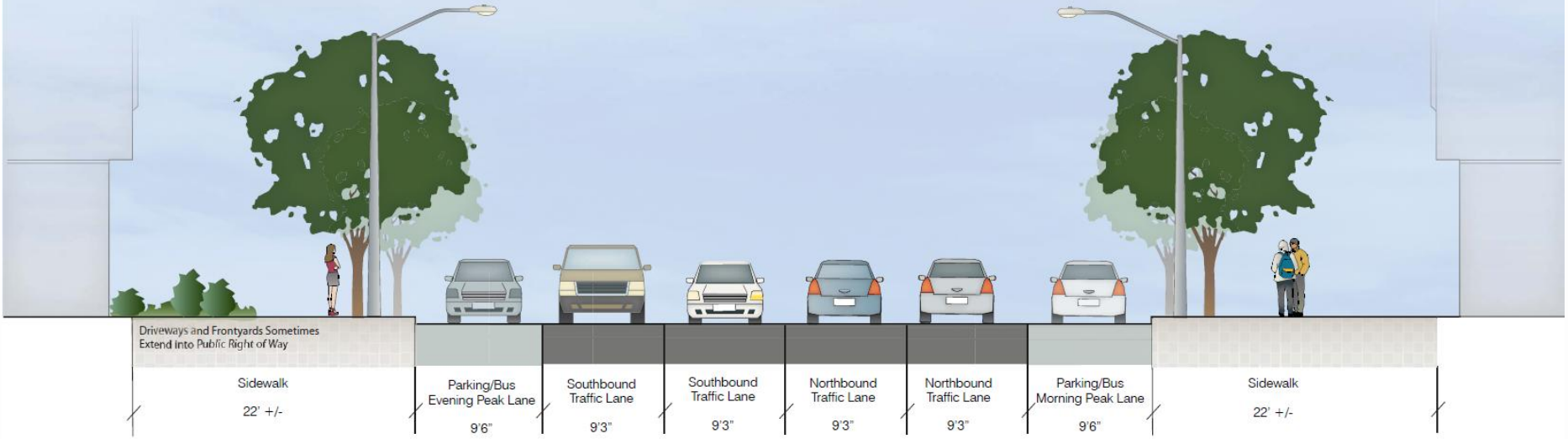


East - West Streets

Existing Conditions – "Typical" Roadway Section

Masonic Ave between Ewing and Fulton

- Property line to property line width is 100 ft
- Sidewalk width ranges from 9 ft (Hayes to Fell) to 22 ft (Ewing to Fulton)
- Generally, two traffic lanes in each direction off-peak
- AM tow-away lane on east side (northbound), PM tow-away lane on west side (southbound)
- Approx.68 parking spaces on west side and 88 parking spaces on east side

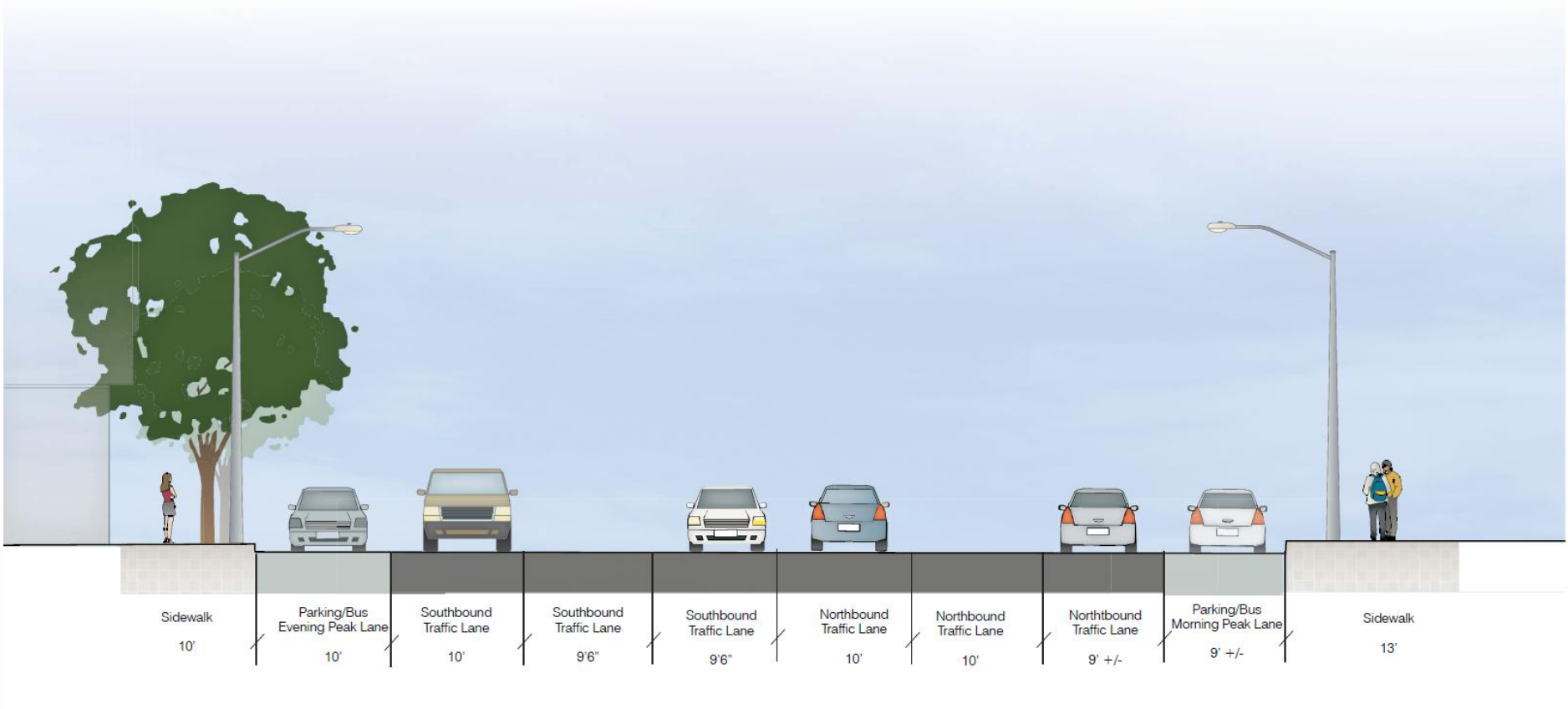


Existing Conditions – Roadway Section

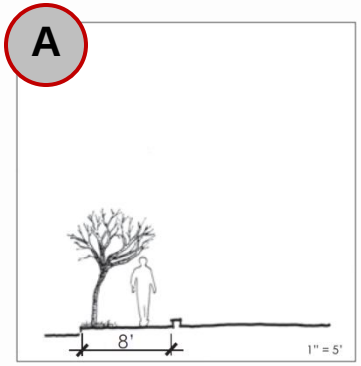
Masonic Ave at Geary

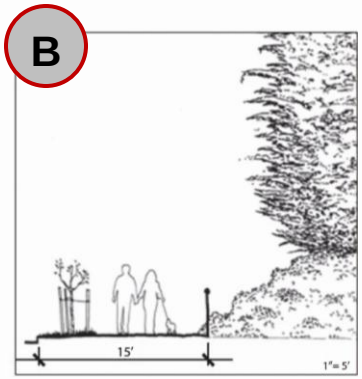
Existing Conditions – Roadway Section

Masonic Ave between Hayes and Fell

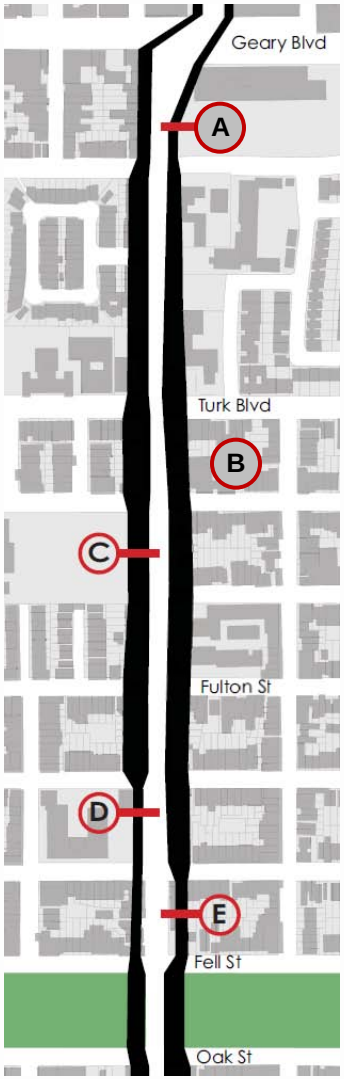


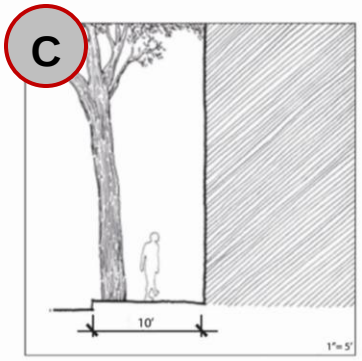
Existing Conditions – Sidewalk Sections

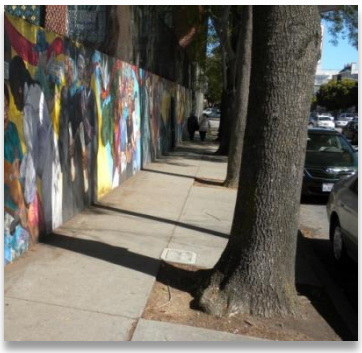


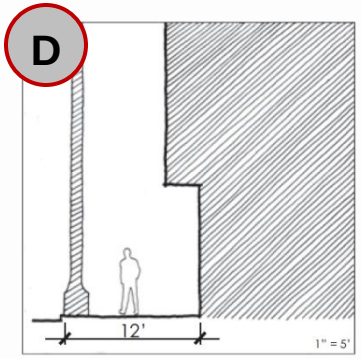


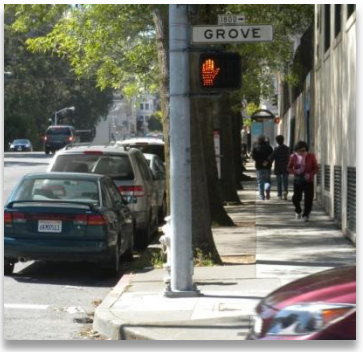
Courtesy of UC Berkeley

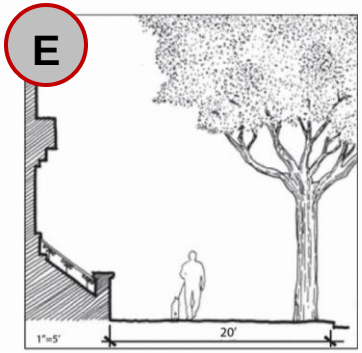


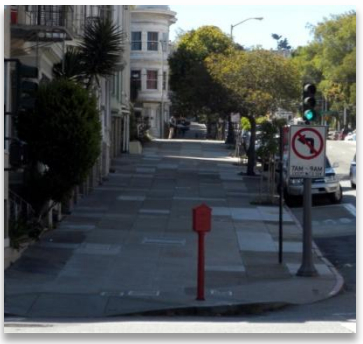












Existing Conditions – Traffic Volume

Northbound at Fulton

Start Time	Week Average
12:00 AM	88
01:00	51
02:00	44
03:00	52
04:00	73
05:00	212
06:00	495
07:00	1302
08:00	**1650**
09:00	1202
10:00	928
11:00	851
12:00 PM	841
01:00	862
02:00	992
03:00	**1418**
04:00	1223
05:00	947
06:00	830
07:00	613
08:00	483
09:00	373
10:00	289
11:00	170
Total	15989

Date Start: 20-May-10
Date End: 26-May-10

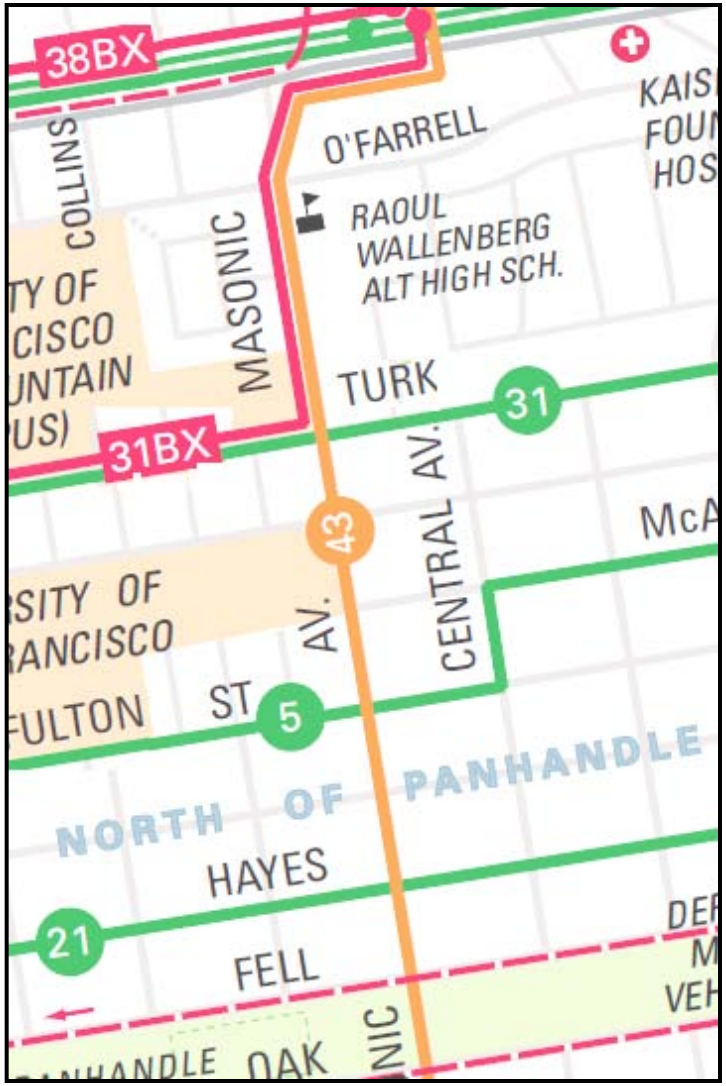
Southbound at Fulton

Start Time	Week Average
12:00 AM	342
01:00	239
02:00	193
03:00	84
04:00	52
05:00	90
06:00	188
07:00	438
08:00	642
09:00	693
10:00	832
11:00	**889**
12:00 PM	975
01:00	960
02:00	931
03:00	1254
04:00	1294
05:00	**1400**
06:00	1194
07:00	955
08:00	766
09:00	704
10:00	594
11:00	467
Total	16176

Date Start: 19-May-10
Date End: 26-May-10

Existing Conditions – Transit Operation and Amenities

- Bus Route 43 Masonic (9, 12, 10, 20 minutes)
  - Total daily ridership 12,765
  - Daily ridership between Geary and Fell 1,461
- Bus Route 31BX (9, -, 11, - minutes)
- 10 Bus Stops
- 5 stops are equipped with shelters and next bus
- Bus routes 38 & 38L Geary, 31 Turk, 5 Fulton, 21 Hayes and GGT cross Masonic.

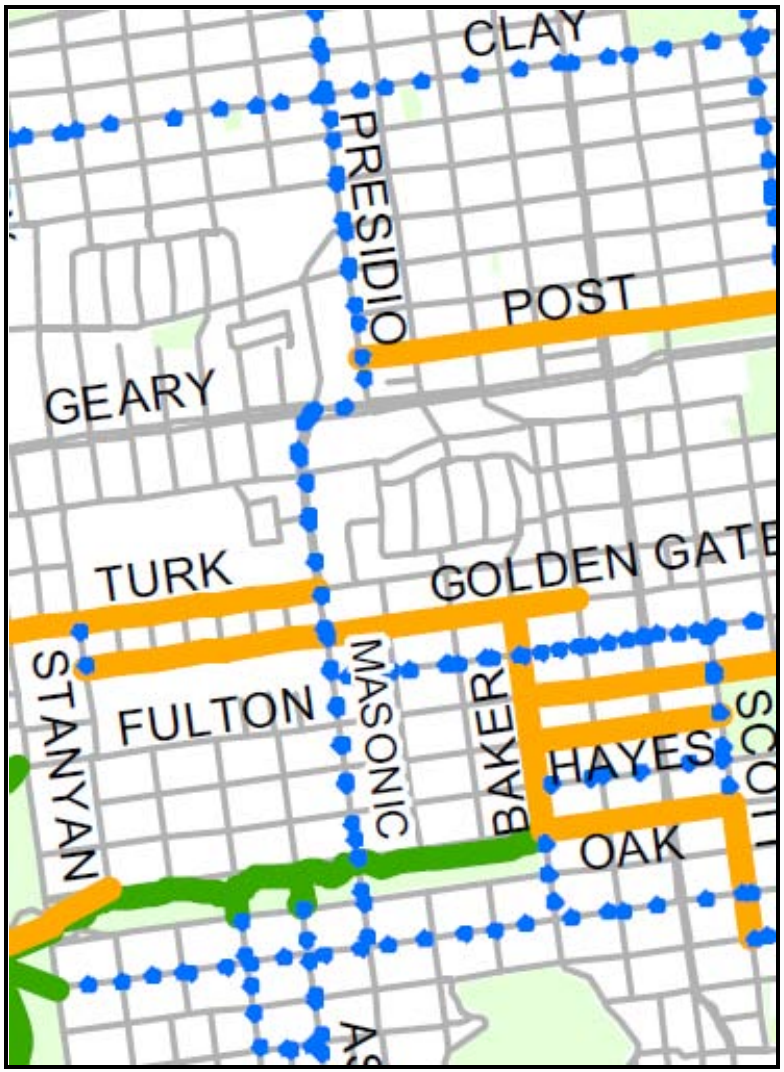


Existing Conditions – Bicycle Volumes and Amenities

- Bicycle route along Masonic between Fell and Geary, McAllister and Market Streets
- Bicycle lanes on Turk St. and Golden Gate Ave.

Bicycle volume (PM peak hour):

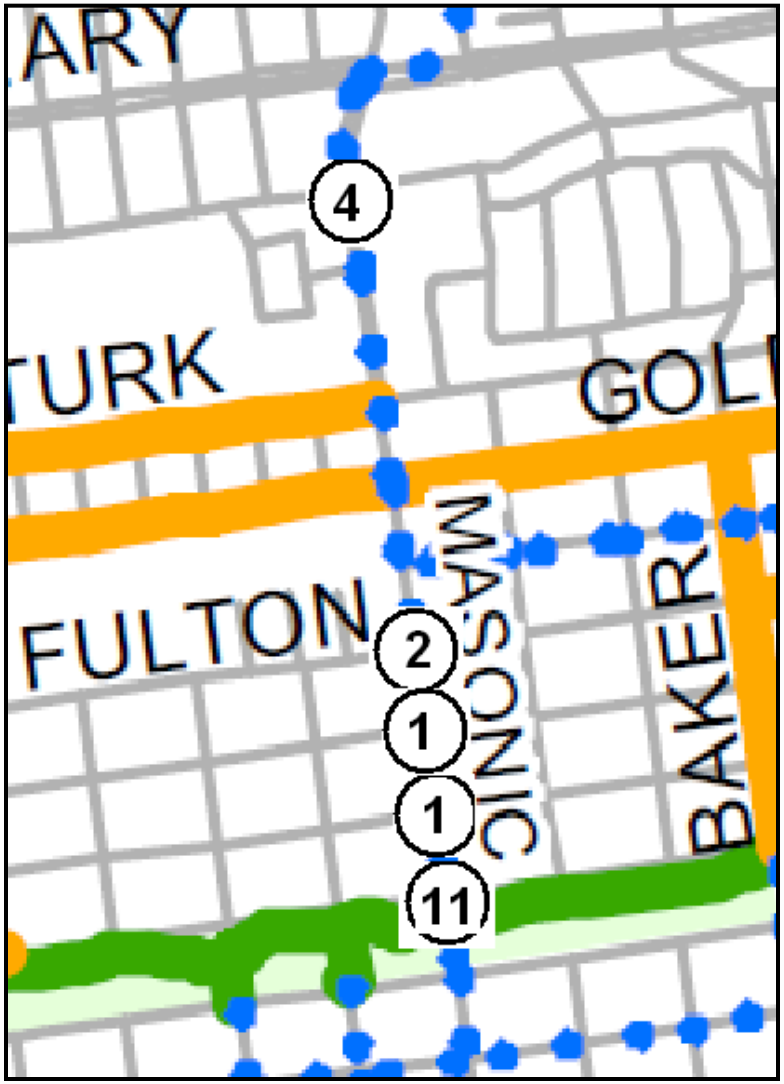
- Golden Gate and Masonic Ave: 31
- Fell St and Masonic Ave: 294



Existing Conditions – Bicycle Collisions

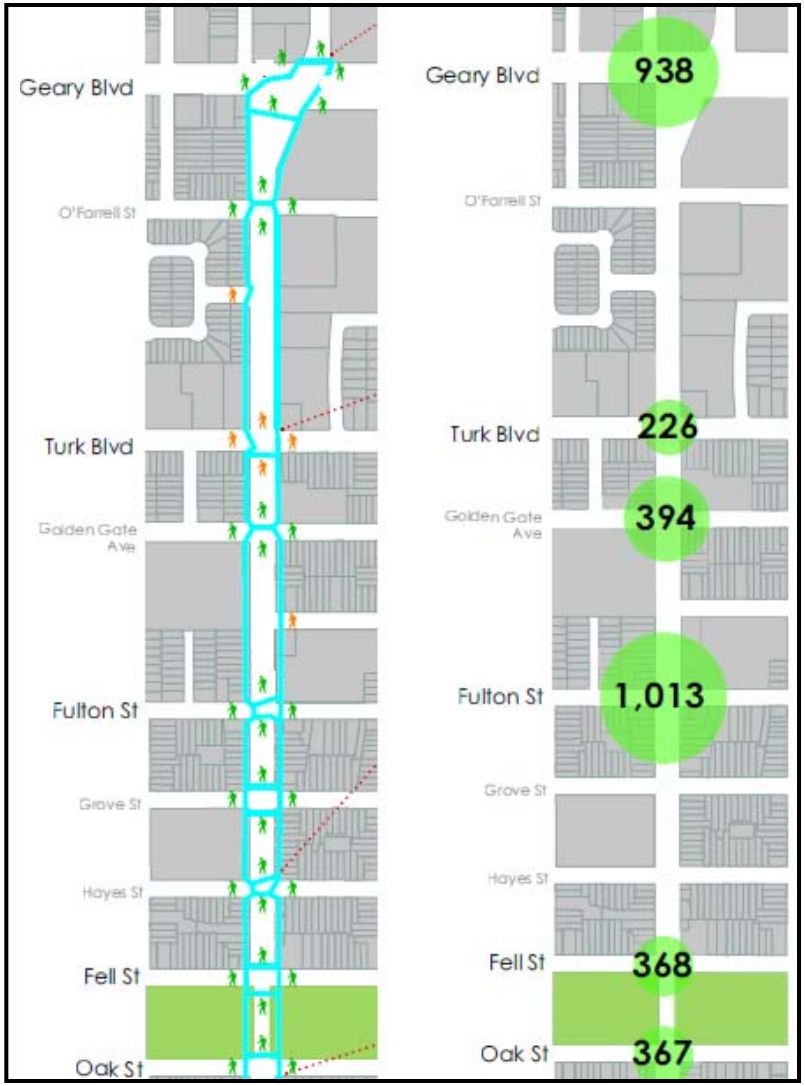
2004-2009 Top 10 Collision Locations

Rank	Intersection	Total Collisions
1	Masonic Avenue at Fell Street	11
2	Masonic Avenue at Ofarrell Street	4
3	Masonic Avenue at Haight Street	3
4	Masonic Avenue at Fulton Street	2
5	Oak Street at Masonic Avenue	2
6	Page Street at Masonic Avenue	2
7	Masonic Avenue at Grove Street	1
8	Masonic Avenue at Hayes Street	1
9	Pine Street at Presidio Avenue	1
10	Turk Boulevard at Masonic Avenue	1



Existing Conditions – Pedestrian Volumes and Amenities

- Eight four-way intersections are equipped with pedestrian signals except Turk Blvd.
- Two T intersections (McAllister and Ewing are not signalized.
- Fulton, Hayes and Golden Gate are equipped with countdown signals.
- O'Farrell, Turk and Golden Gate are marked with ladder/yellow crosswalks.
- Majority of corners are equipped with curb ramps.
- 5-7 PM counts 2008

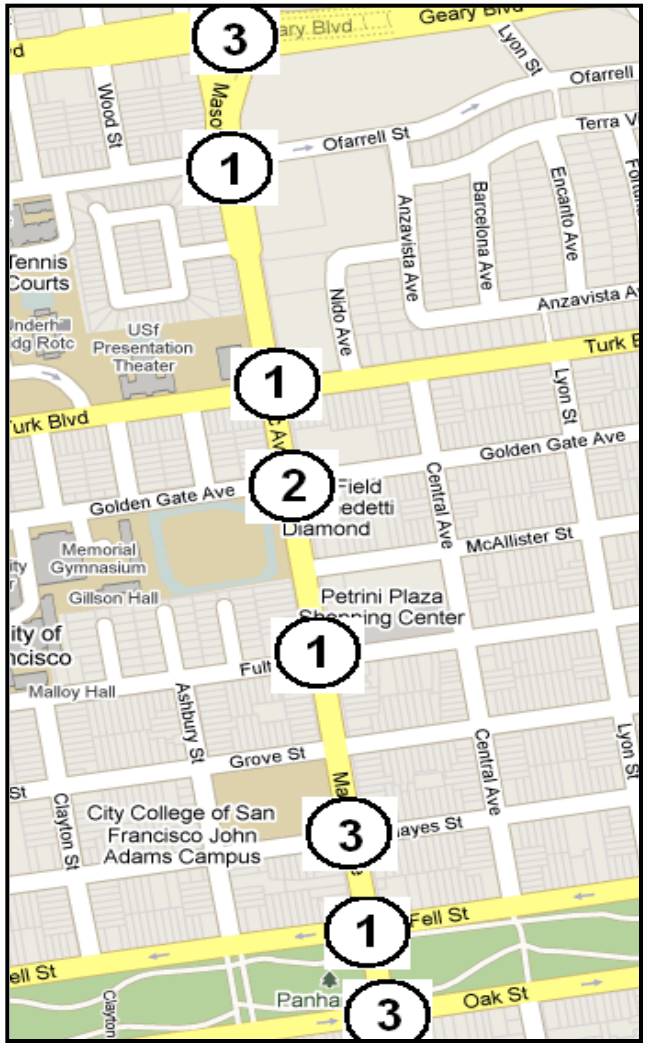


Courtesy of UC Berkeley

Existing Conditions – Pedestrian Injury

2004-2009 Top 10 Collision Locations

Rank	Intersection	Total Collisions
1	Masonic Avenue at Geary Boulevard	3
2	Masonic Avenue at Hayes Street	3
3	Oak Street at Masonic Avenue	3
4	Masonic Avenue at Golden Gate Avenue	2
5	Masonic Avenue at Haight Street	2
6	Masonic Avenue at Ofarrell Street	1
7	Masonic Avenue at Fell Street	1
8	Page Street at Masonic Avenue	1
9	Turk Boulevard at Masonic Avenue	1
10	Waller Street at Masonic Avenue	1



Existing Conditions – Intersection Collision Summary

2004-2009 Top 10 Collision Locations

Rank	Intersection	Total Collisions
1	Masonic Avenue at Ofarrell Street	19
2	Masonic Avenue at Fell Street	19
3	Masonic Avenue at Hayes Street	15
4	Masonic Avenue at Fulton Street	14
5	Oak Street at Masonic Avenue	14
6	Turk Boulevard at Masonic Avenue	11
7	Masonic Avenue at Grove Street	8
8	Masonic Avenue at Haight Street	7
9	Masonic Avenue at Golden Gate Avenue	6
10	Mcallister Street at Masonic Avenue	5

Suggested Design Ideas

Road Diet, Bike Facilities, Sidewalk Planters,
Greening of Driveways/Front Yards,
Tree Planting

Road Diet

Transit Improvement

Transit Only/ Transit and Bike Only Lane

Bicycle Facilities

1. Typical bike lane

2. Painted bike lane

3. Bike lane raised 1” from roadway

4. Bike lane raised onto sidewalk

Bicycle Facilities

5. Contra flow bike lanes

Sidewalk Planters

Bulbouts and Bus Bulbs

Greening of Driveways and Front Yards

Street Medians

Divisadero Street

Tree Planting

The Value of Planting and Protecting Urban Trees

A mature tree in an urban provides up to $162,000 in ecosystem services*:

- Trees absorb carbon dioxide (Up to 25 pounds of CO2 per year)
- Trees produce oxygen
- Trees reduce up to 60% of particulate pollution in the air
- Trees provide erosion control and act as flood control agents
- 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

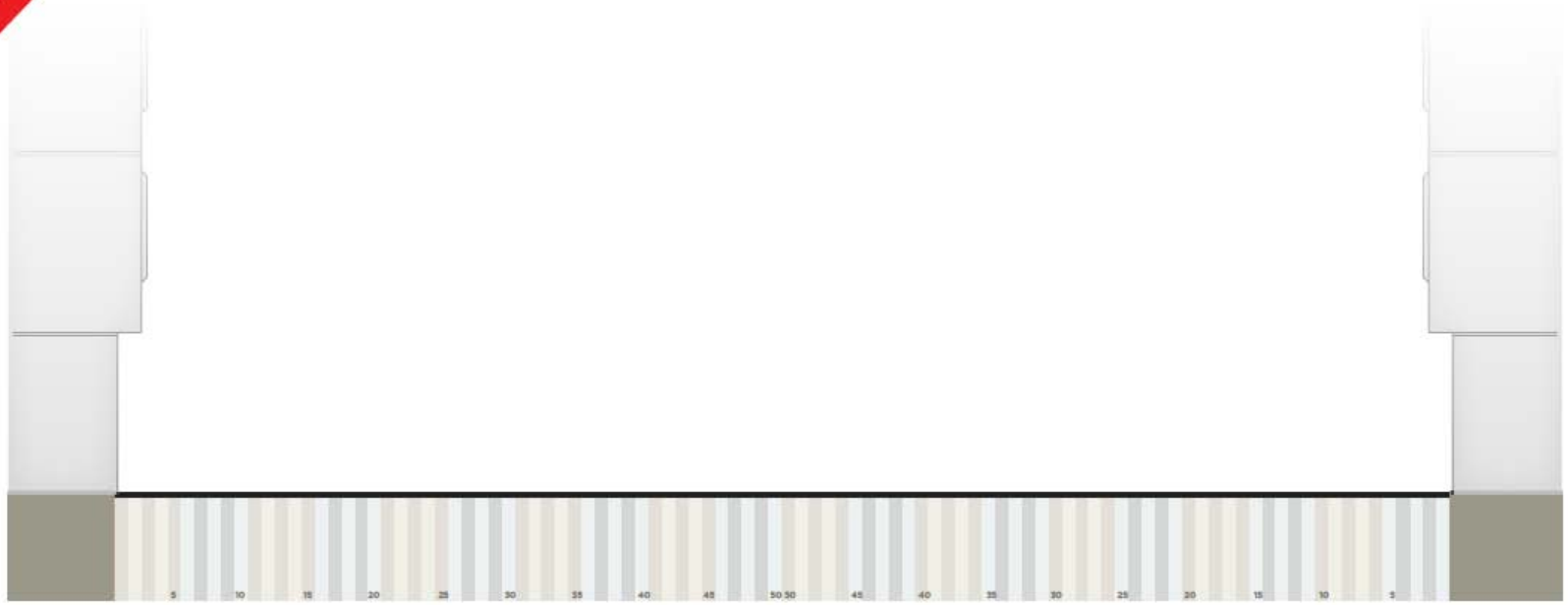
**New Kensington Study-The Wharton School

Break Out Group Session

Existing Conditions: Roadway Section

Break Out Group Session

Design Your Ideal Street Section



MASONIC AVENUE
100 ft. Right of Way - Each Rectangle = 1 ft.

WHAT ARE THE TOP THREE PRIORITIES YOUR DESIGN REFLECTS?

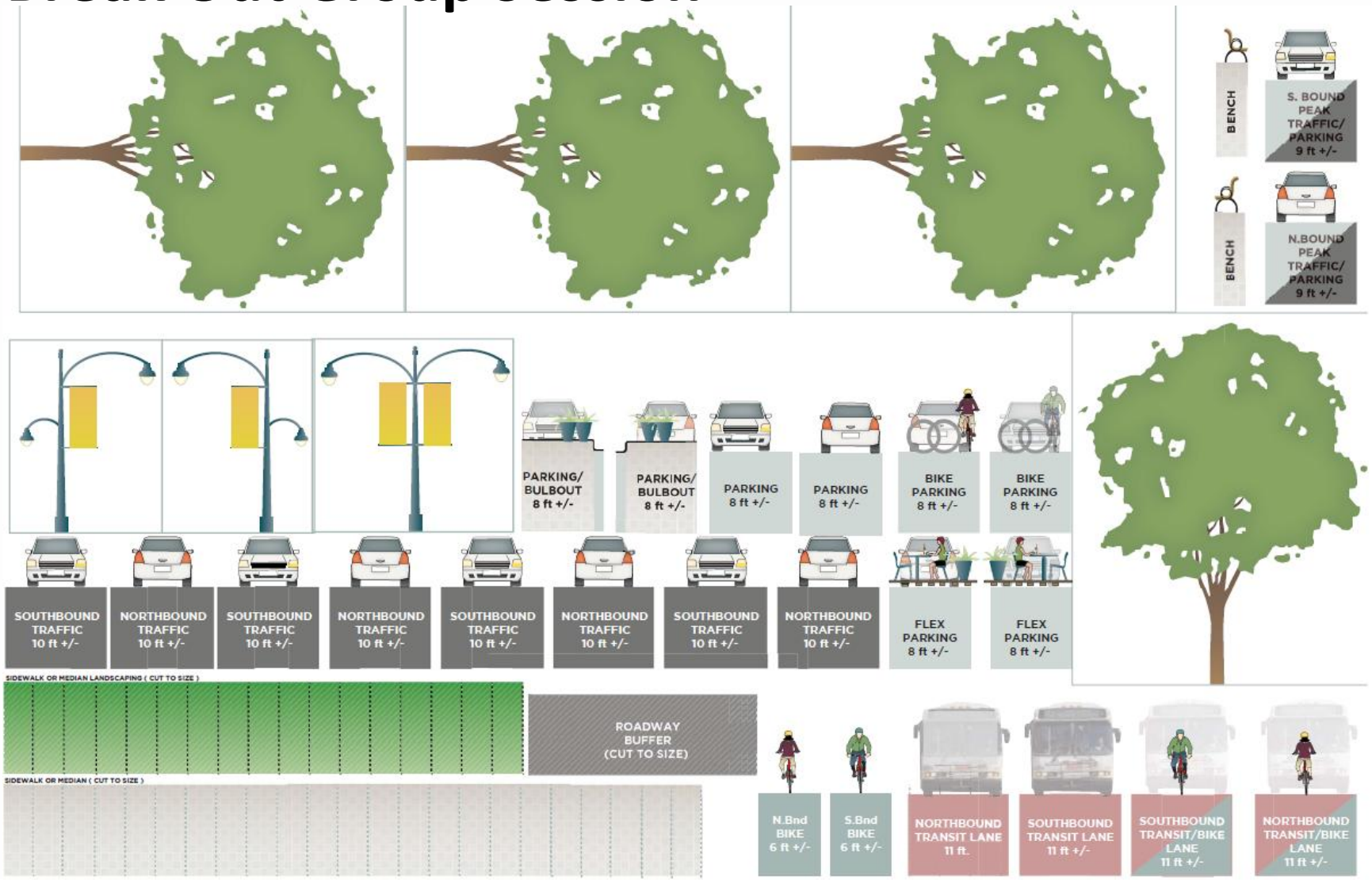
1. _____
2. _____
3. _____

OTHER COMMENTS:

_____

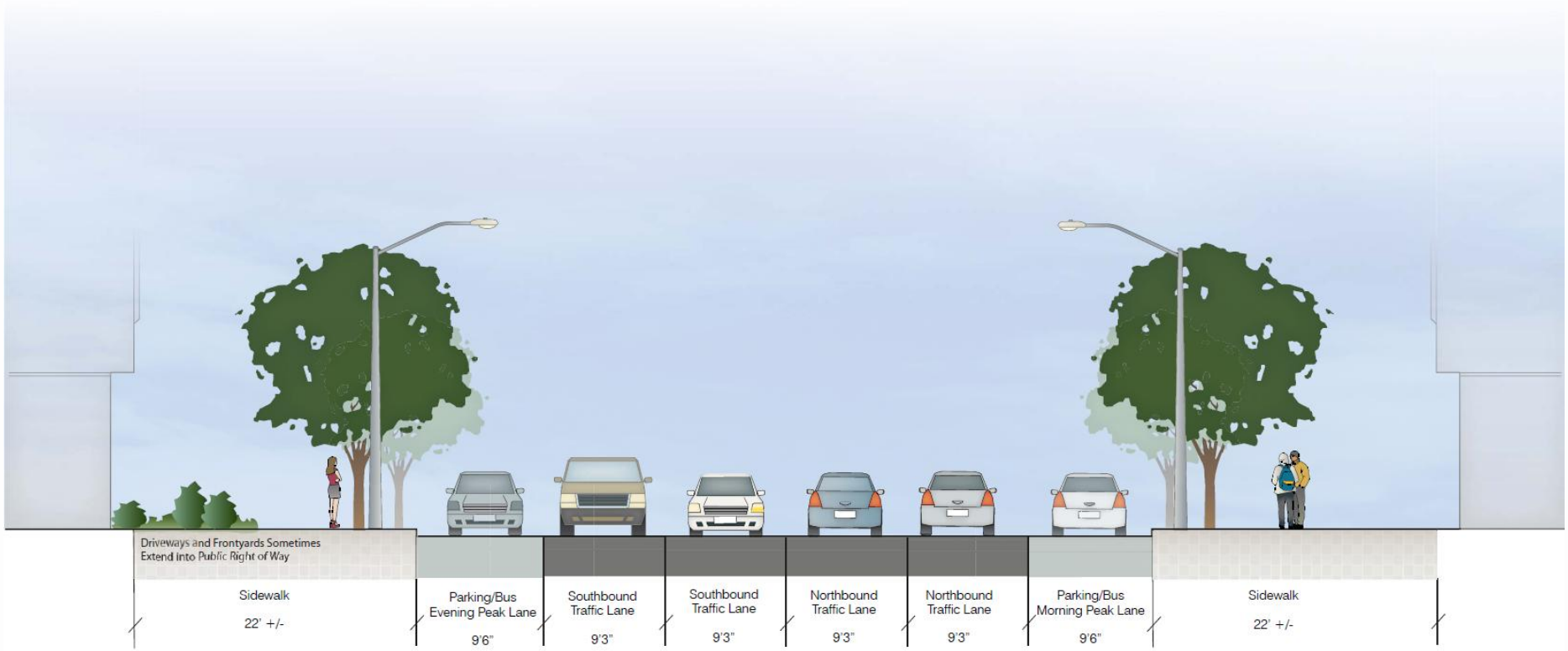
_____

Break Out Group Session



Break Out Group Session

"Typical" Roadway Section – Masonic between Ewing to Fulton

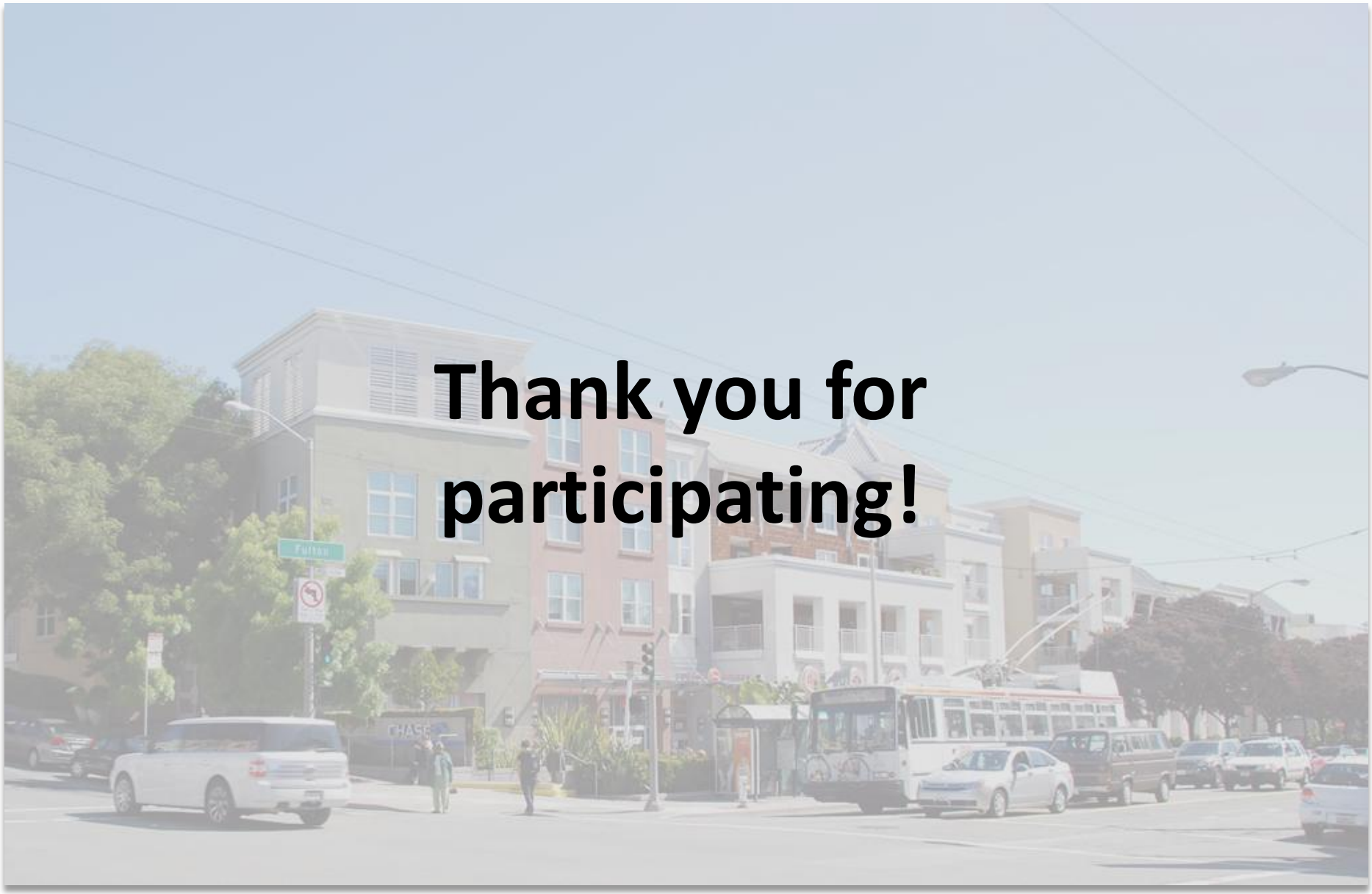


Report Back

Next Steps

Next Community Workshop: Mid-August

Contact: Javad Mirabdal (415)-701-4421
Javad.Mirabdal@sfmta.com



Thank you for participating!