Masonic Ave Street Design Study

Community Workshop 2

August 10, 2010

Introduction

SF Municipal Transportation Agency

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SF Department of Public Works

Martha Ketterer , John Dennis and 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

- Project overview
- Recap of community workshop one
- Presentation of proposed design alternatives

30 minutes

- Breakout to look at proposed alternatives
- Individual survey

30 minutes

- Regroup for discussion
- Next steps

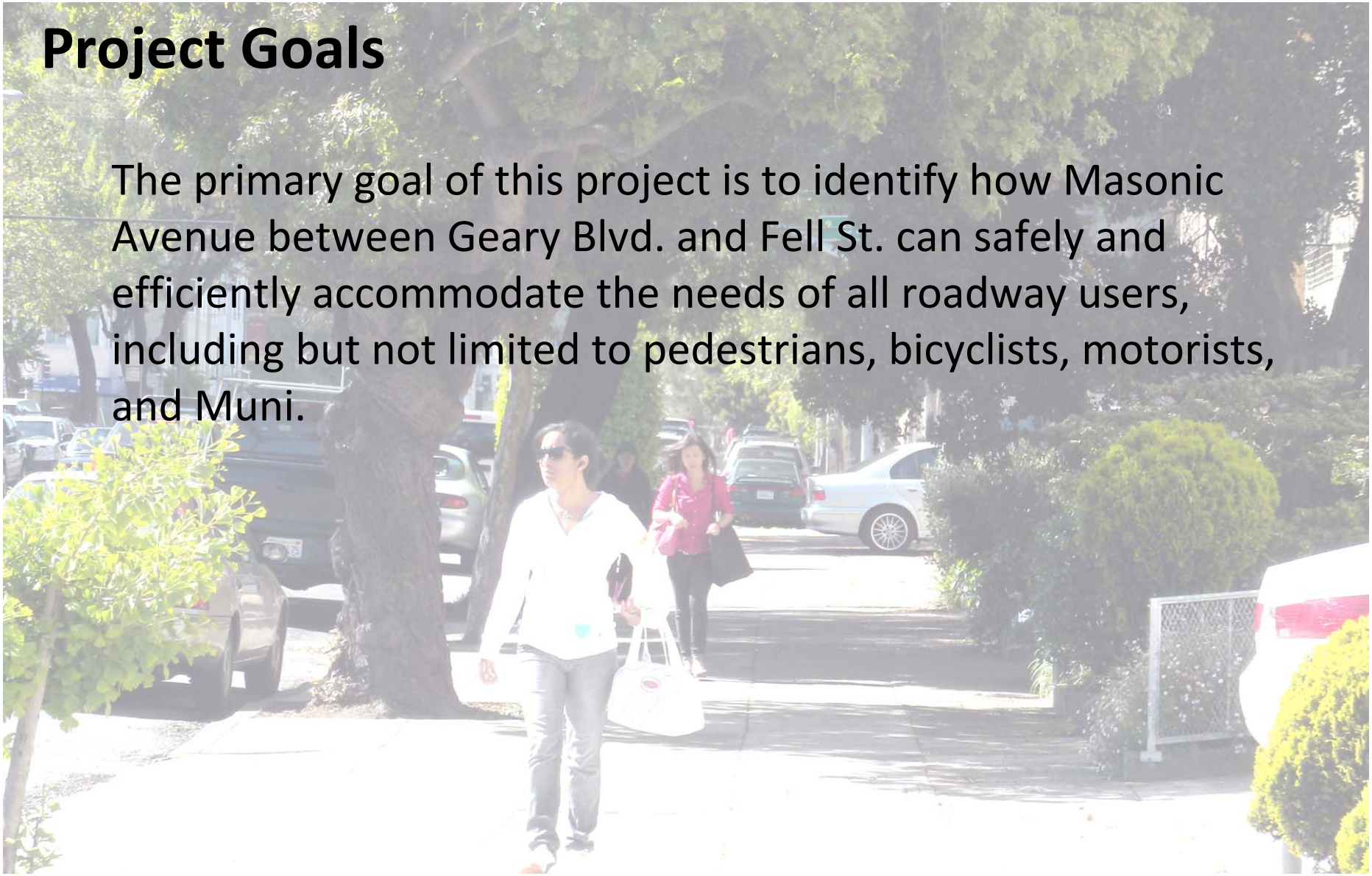
Project Area

Masonic Avenue from
Fell Street to Geary Blvd.

Courtesy of UC Berkeley

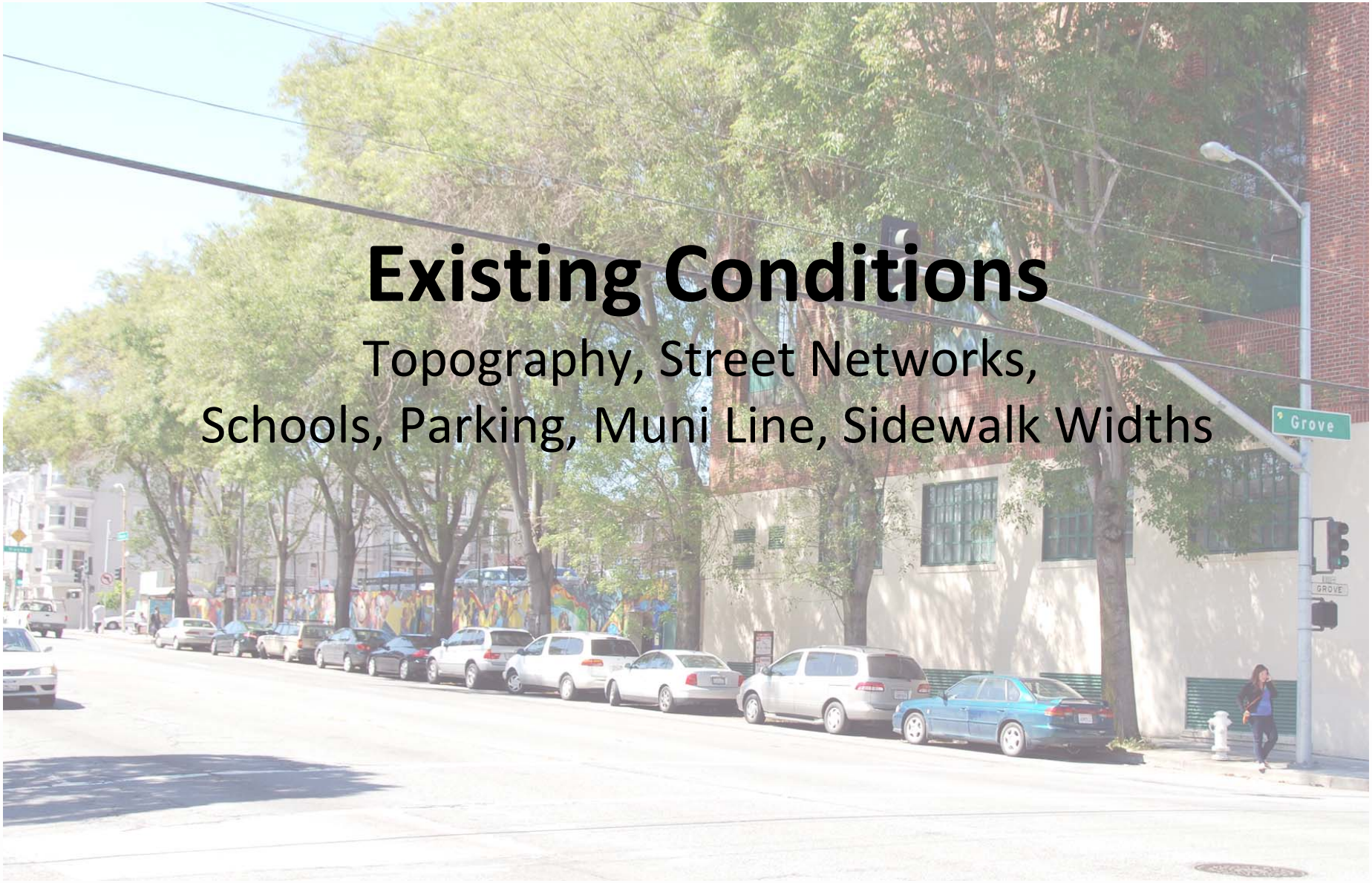
Project Goals

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

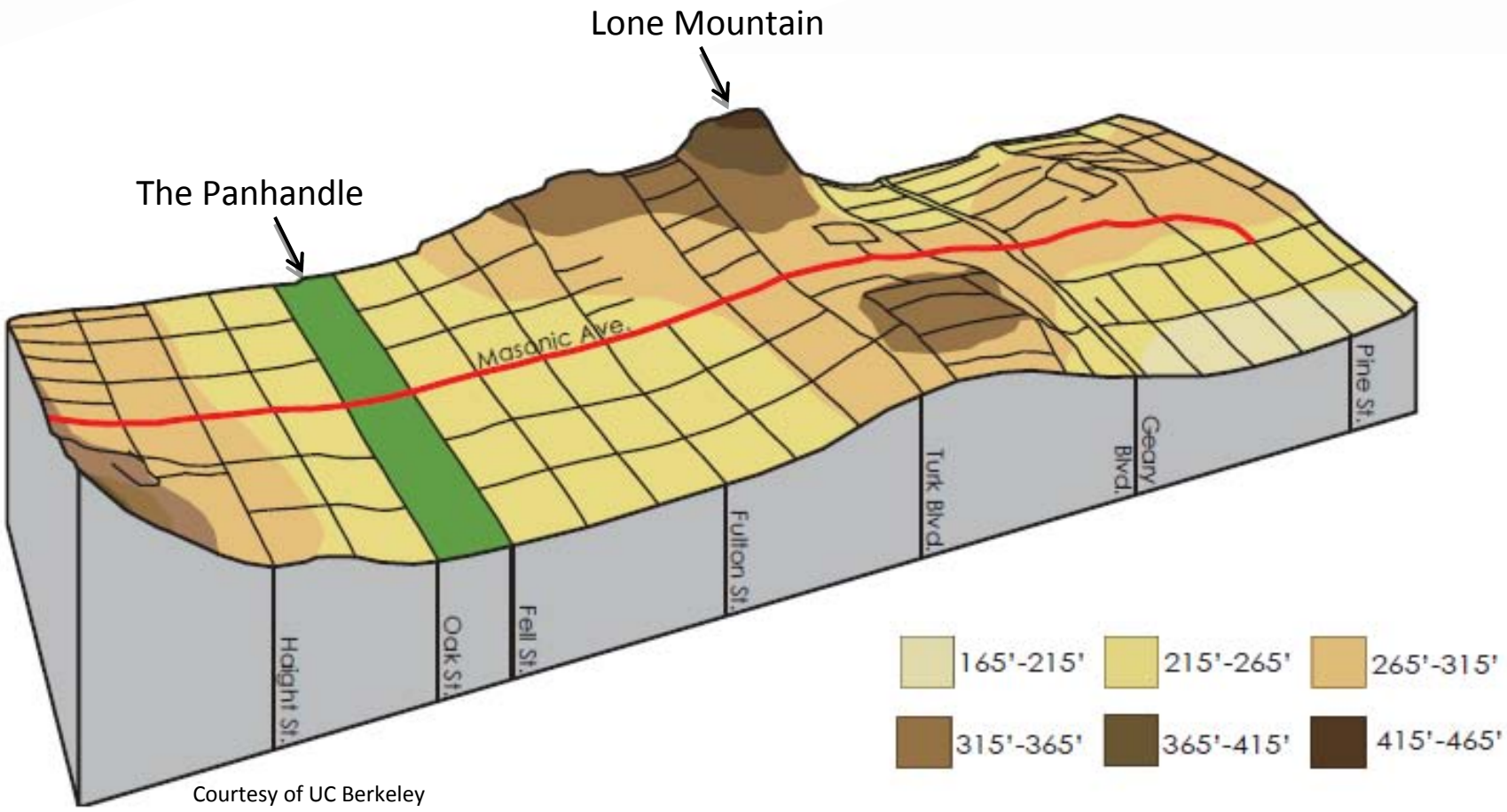
- Engage representatives of all constituencies within the community who would be impacted by changes to Masonic Avenue including, but not limited to, residents on Masonic Avenue, residents on side-streets, merchants, school representatives, bicyclists, Muni passengers, and pedestrians.
- Improve transit 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.



Existing Conditions

Topography, Street Networks, Schools, Parking, Muni Line, Sidewalk Widths

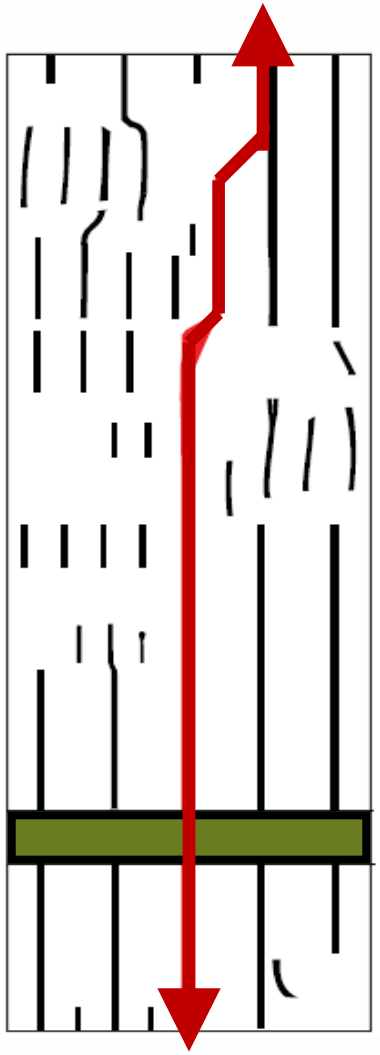
Existing Conditions – Topography



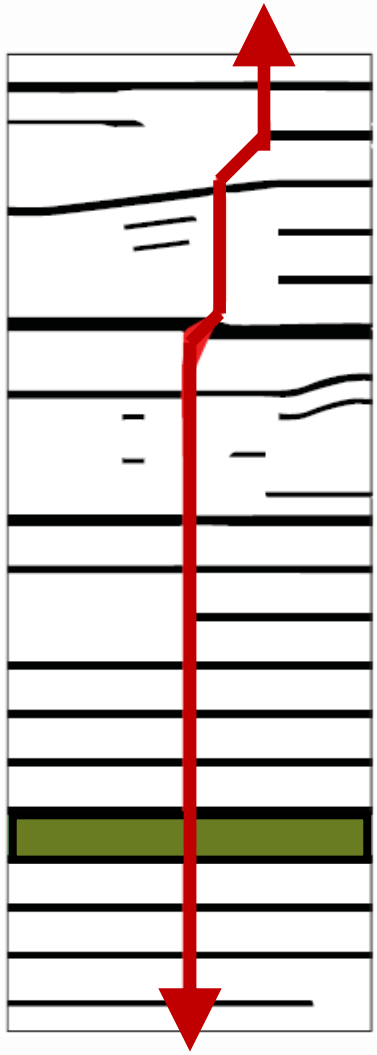
Courtesy of UC Berkeley

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 - Schools

1. University of San Francisco

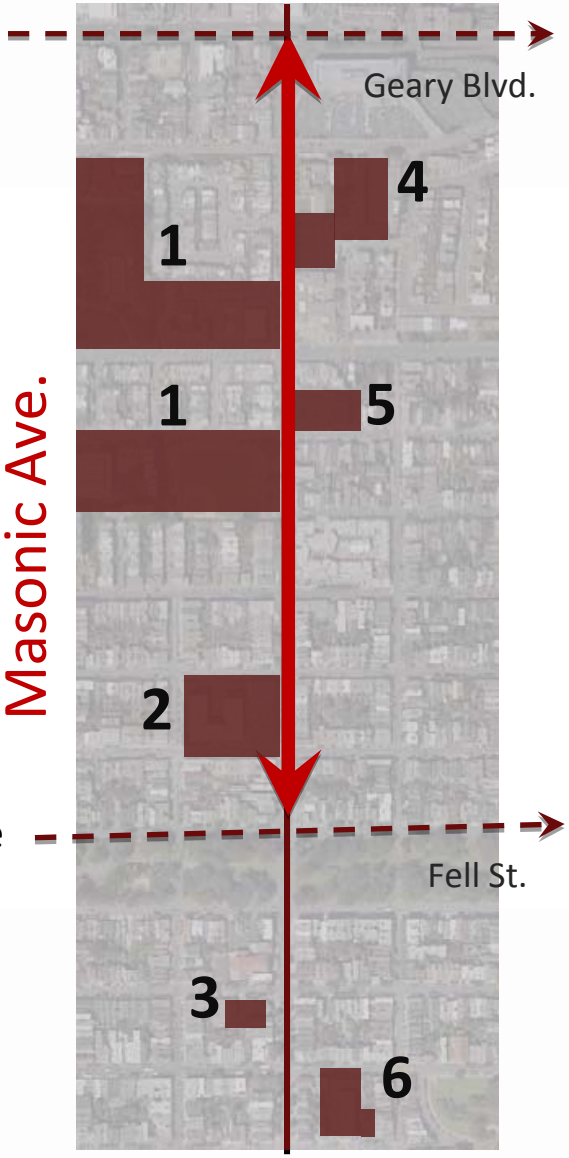
2. City College John Adams Campu

3. Whitney Young Child Dev. Cente

4. Wallenberg High School

5. SF Day School

6. Chinese Immersion School at De Avil



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

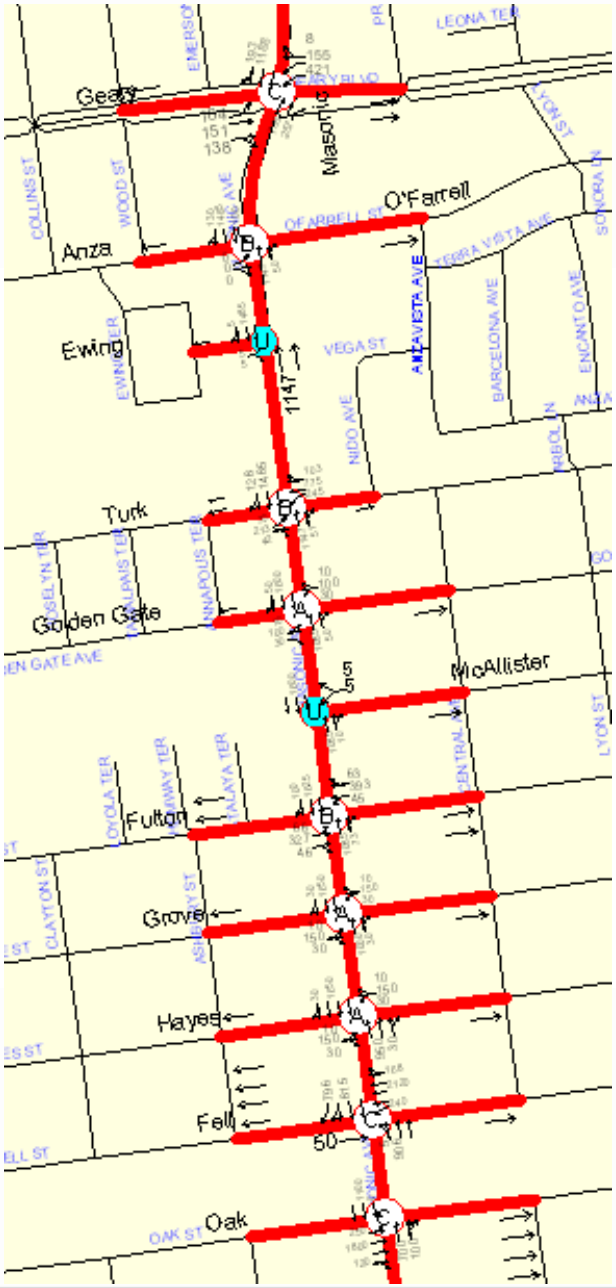
Southbound at Fulton

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 – Traffic Modeling

PM Peak Hour	Existing		2 Lanes in Each Direction	
	NB Delay	SB Delay	NB Delay	SB Delay
Masonic & Geary	18.1	29.3	18.1	53.3
Masonic & Anza/O'Farrell	14.3	9	14.3	11.3
Masonic & Turk	8.8	5.3	8.8	13.5
Masonic & Golden Gate	12.7	3.9	11.4	5.5
Masonic & Fulton	10.4	12.6	11.9	17.3
Masonic & Grove	3.5	1.8	2.4	3.8
Masonic & Hayes	2.7	3.9	3.5	10.8
Masonic & Fell	31.5	34.9	45.6	170.5
Masonic & Oak	18.6	13	18.6	108.2
O'Farrell to Hayes Delay	52	37	52	62
Total Delay	121	114	135	349

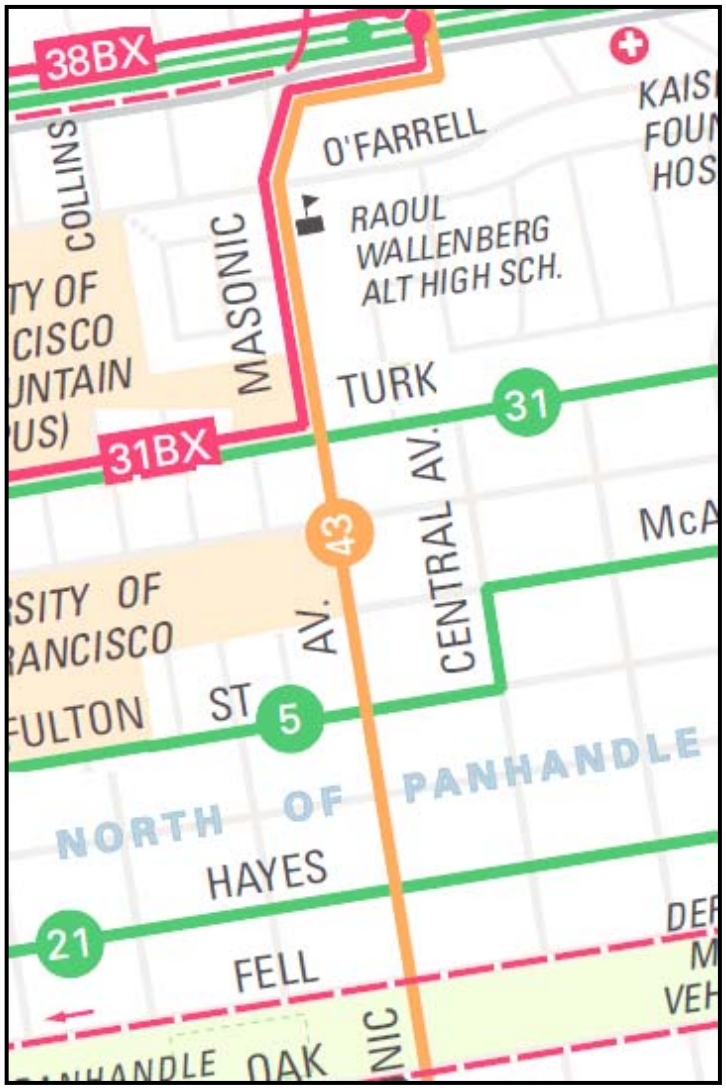


Existing Conditions – Parking

Peak Tow-Away Parking Lane

Existing Conditions – Transit Operation and Amenit

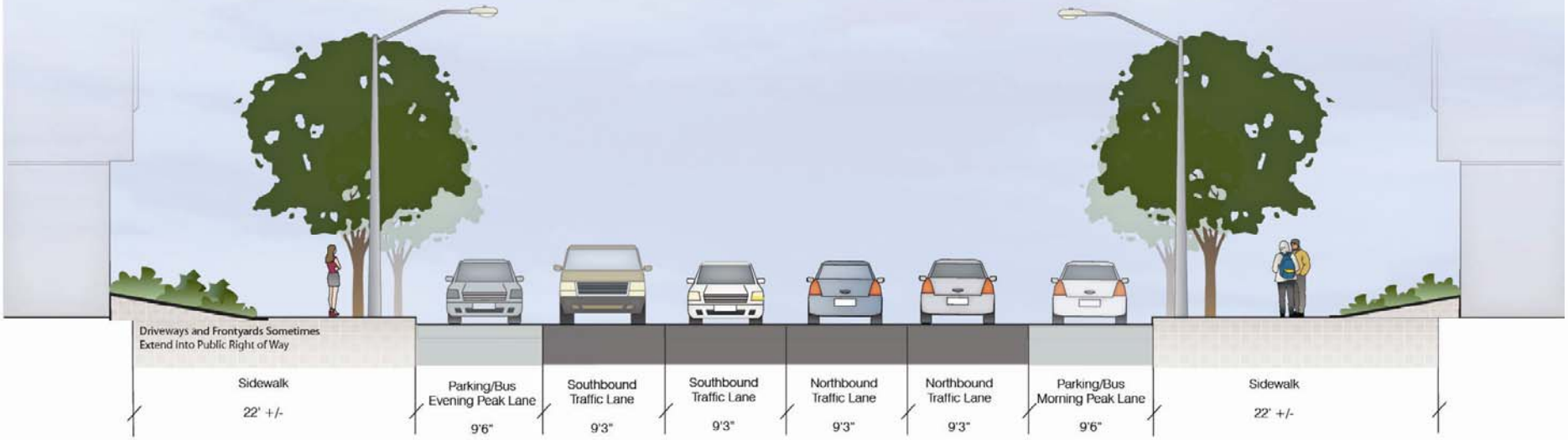
- Bus Route 43 Masonic (9, 12, 10, 20 minutes)
  - Total daily ridership 12,765
  - Daily ridership between Geary and Fell 1,461
- Bus Route 31BX (9, -, 11, - minutes)
- 10 Bus Stops
- 5 stops are equipped with shelters and next bus
- Bus routes 38 & 38L Geary, 31 Turk, 5 Fulton, 21 Hayes and GGT cross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



Existing Conditions – Typical Roadway Section

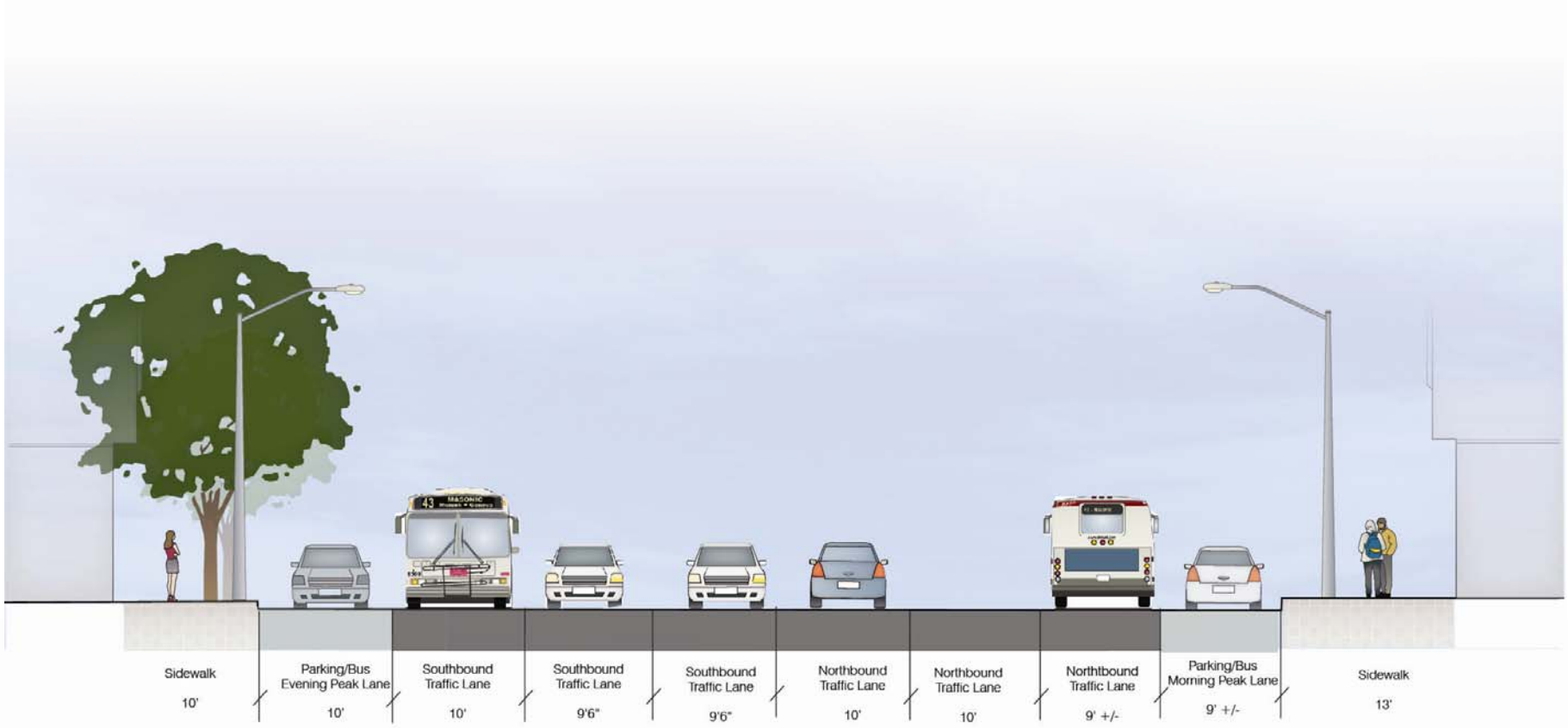
Masonic Ave between Ewing and Fulton

- 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. 74 parking spaces on west side and 83 parking spaces on east side



Existing Conditions – Atypical Roadway Section

Masonic Ave between Hayes and Fell

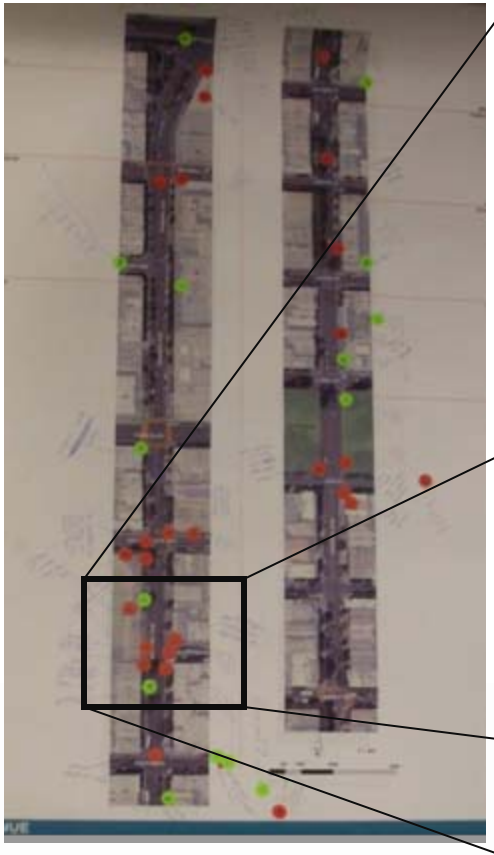


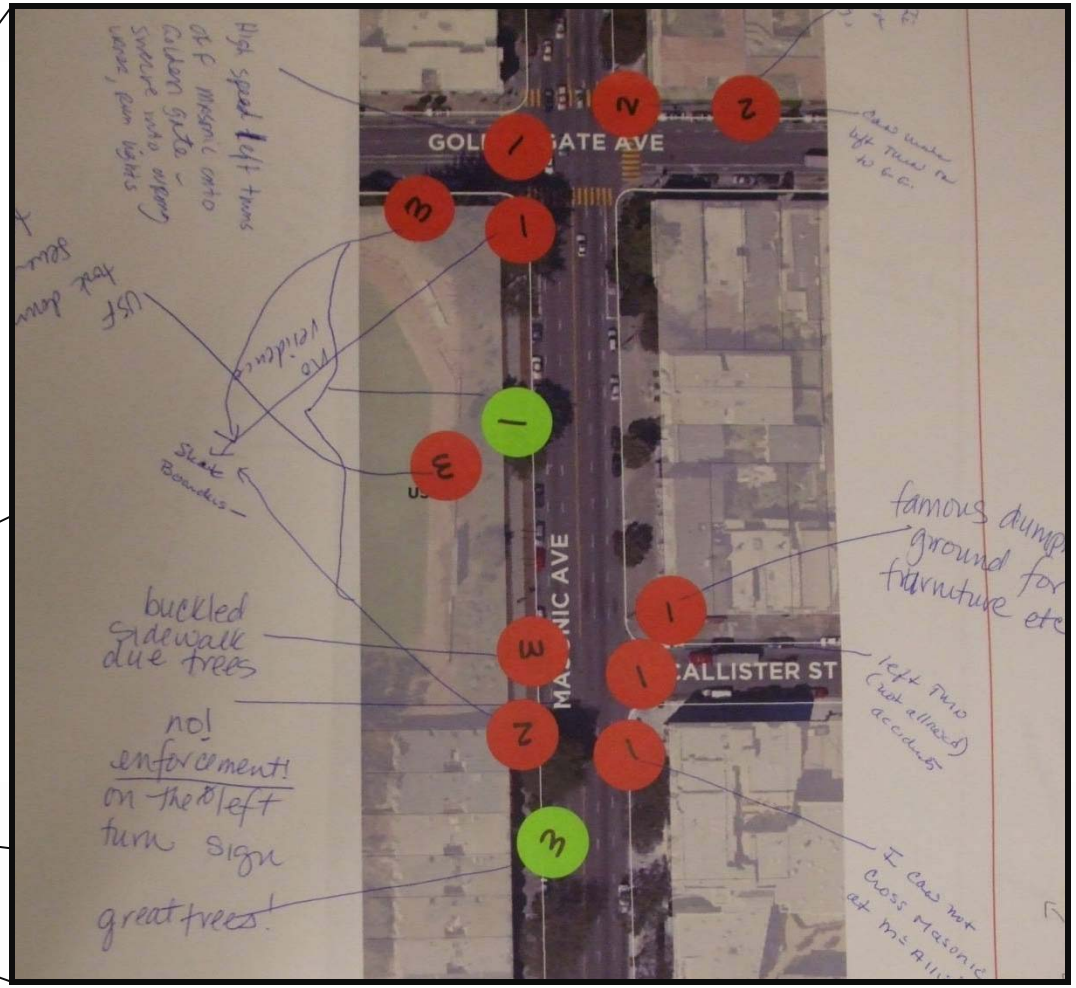
Community Workshop 1

Comments,
Small Group Conceptual Exercise,
Community Priorities,
Additional Masonic Design Constraints

Likes and Dislikes

Community Workshop 1





Summary of Masonic Ave Likes and Dislikes

Community Workshop 1

Top 5 Likes

9 comments – Recent safety upgrades (new signal at Fell, painted crosswalks, countdown crossing lights)
8 – Green space, planters and landscape features, proximity to the Panhandle
7 – Wide sidewalks
6 – Mature street trees
4 – Existing bus route

Others: **4** - Characteristic community elements, identity and artwork , architecture, etc.,
3 - retail & commercial areas

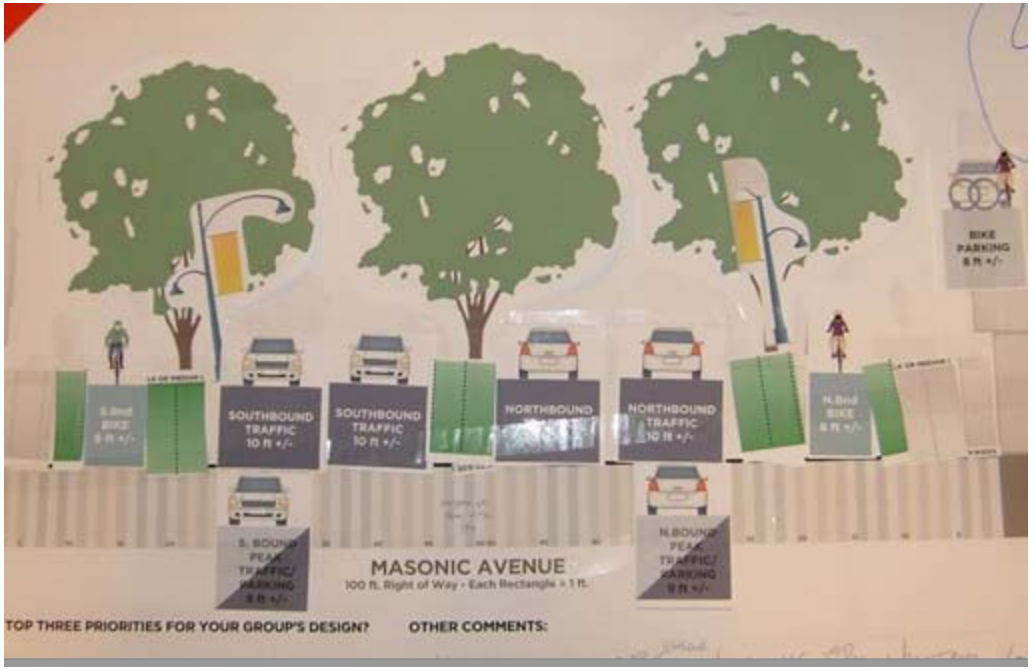
Top 5 Dislikes

39 comments – Car related traffic conflicts and complaints (street sign visibility, lane changes , traffic congestion)
27 - General traffic conflicts (all users, intersections)
18 – Lack of bike related safety
14 – Lack of pedestrian related safety
13 - Lack of pedestrian experience (community, art, identity)

Others: **7** – Existing corridor design (tow lanes, amount of concrete), **6** – Needs more landscaping, **5** – Bike & car conflict at Fell, **4** – Extension of study area, **3** – Bus route or conflict, **2** – Poor use of space along Masonic, **1** – Too much noise, **1** – Buckling of sidewalks

Small Group Conceptual Exercise

Community Workshop 1



Creating an "Ideal Section"

Summary of Group Priorities

Community Workshop 1

Based on the top 3 priorities of the 8 groups

Small Group Conceptual Exercise

Maintain Existing Street Trees & 56’ Street Width

TABLE #2

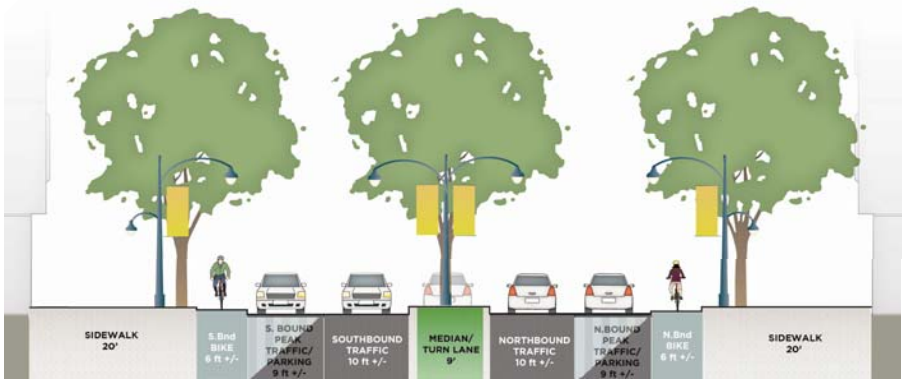


TABLE #4

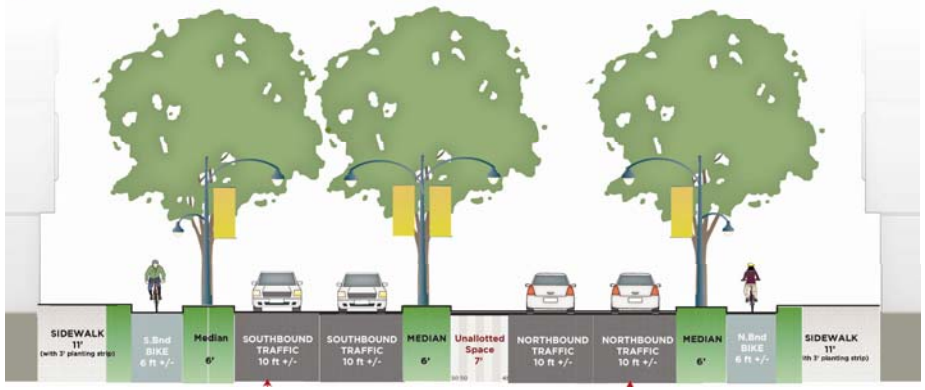
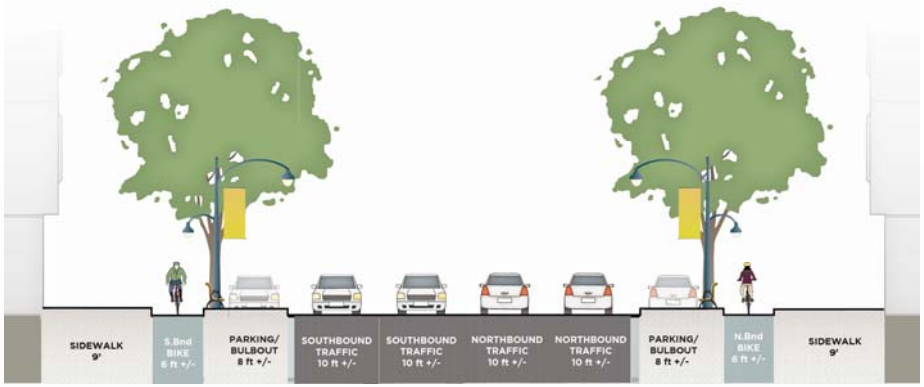


TABLE #6



Small Group Conceptual Exercise

Full Rebuild of 100’ Right of Way Designs

TABLE #1

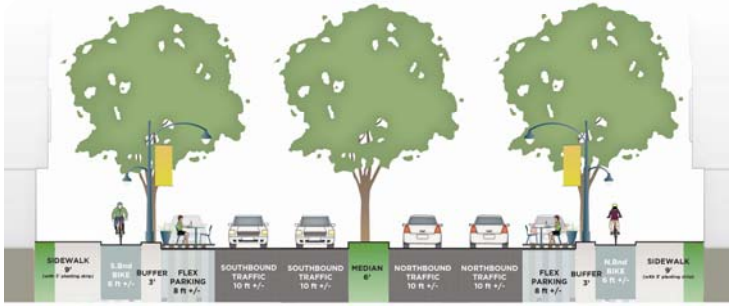


TABLE #5

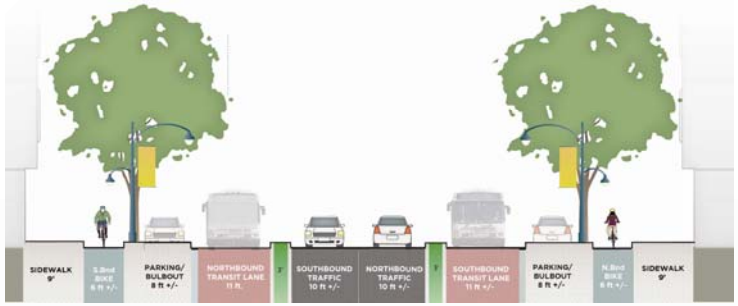


TABLE #7

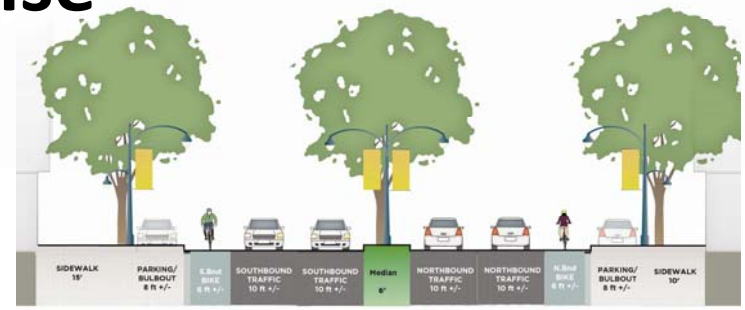


TABLE #3

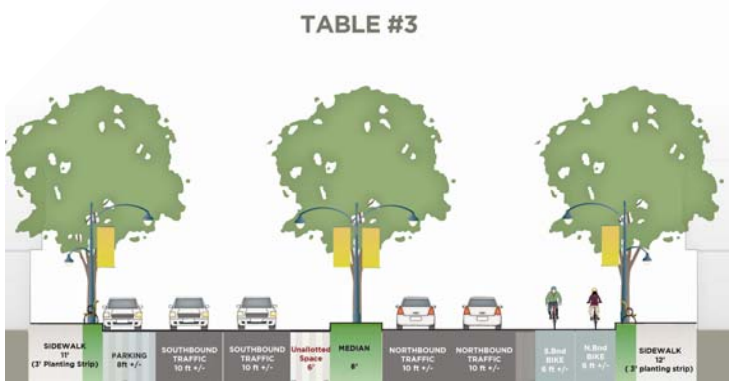
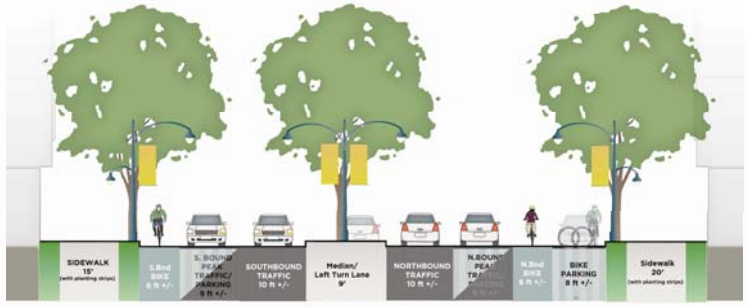
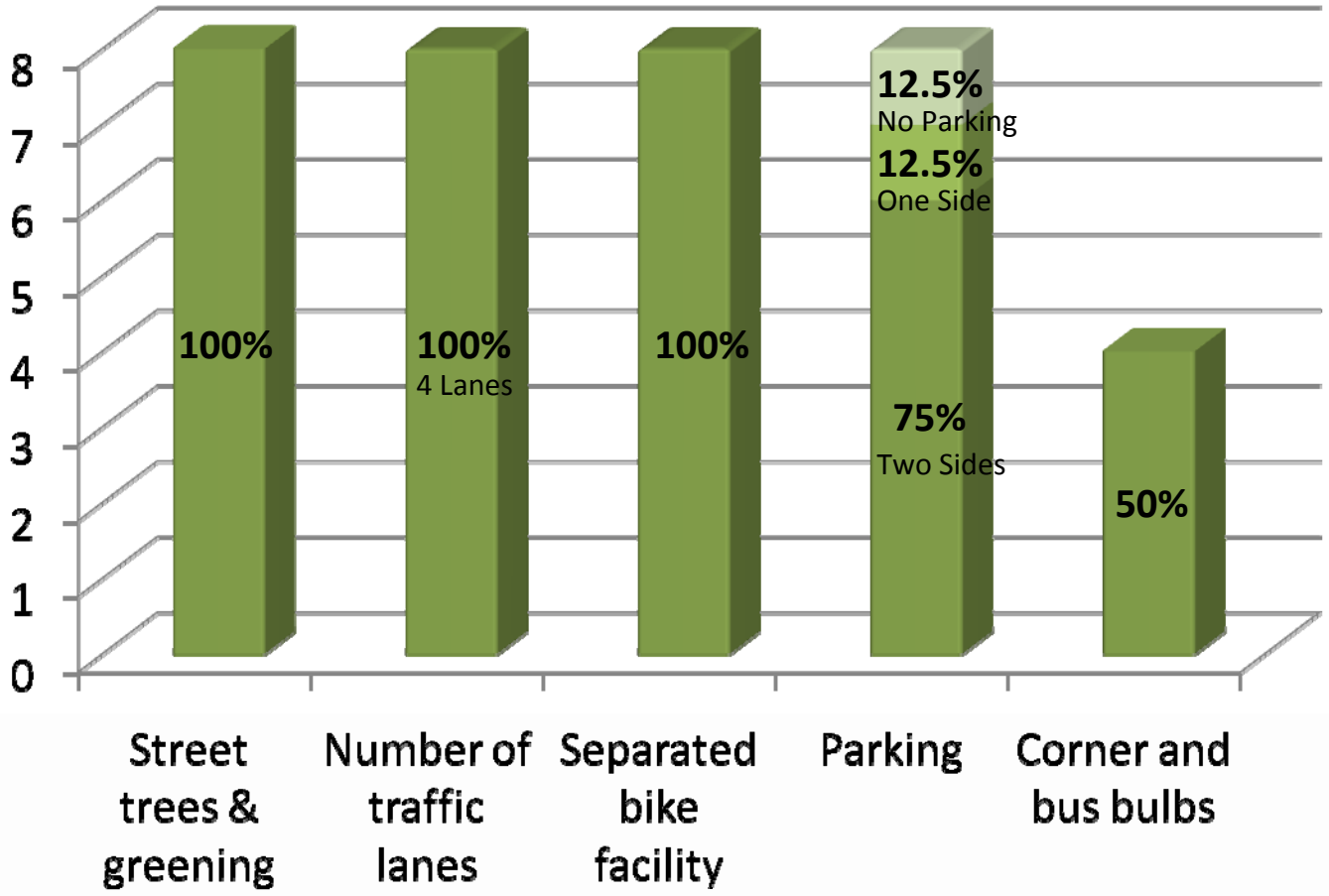


TABLE #8



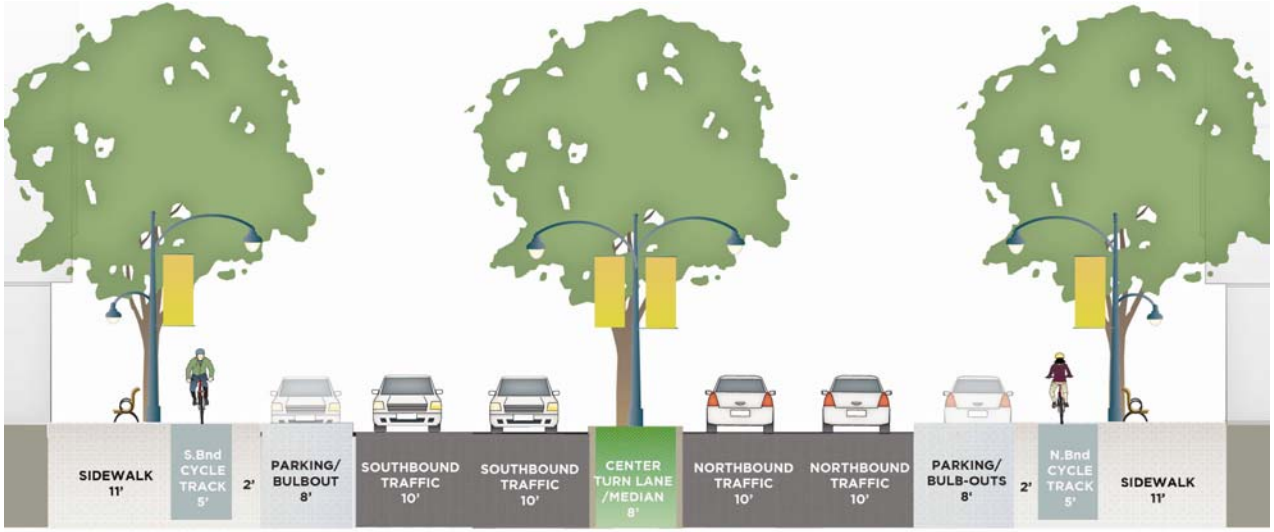
Summary of Group Exercise

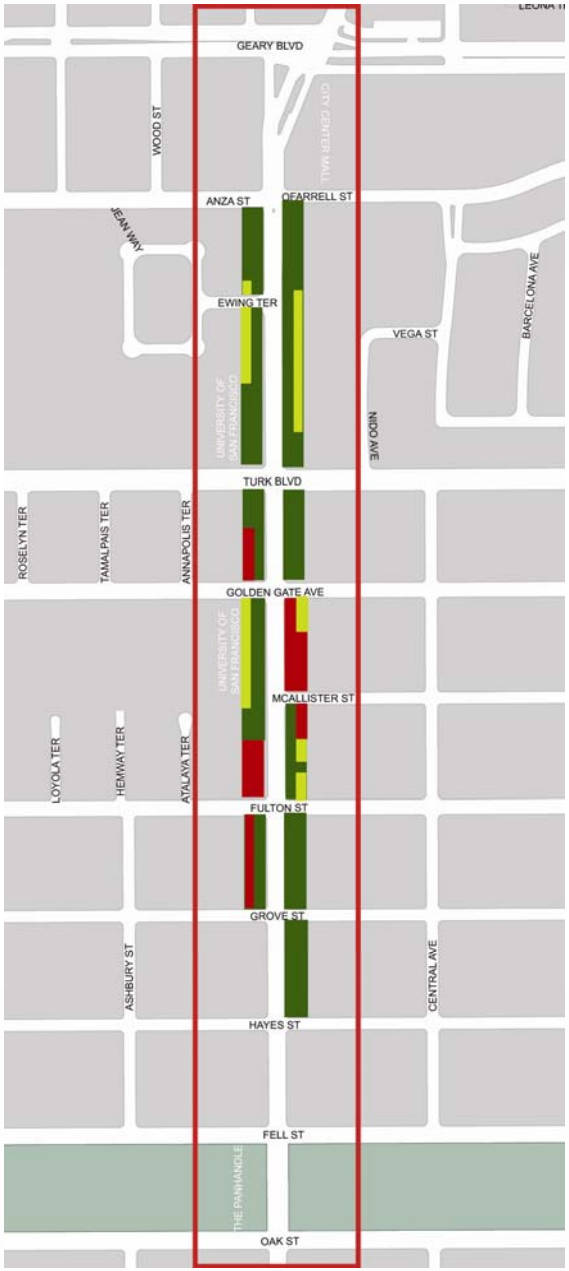
Community Workshop 1



Sidewalk Constraints

A “full rebuild” runs into significant obstacles due to sidewalk constraints.





Grade Changes

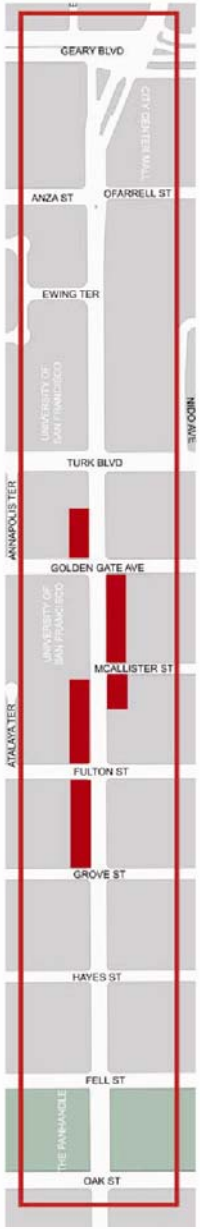
Planting Areas

Mature Street Trees

Sidewalk Constraints

Grade Changes

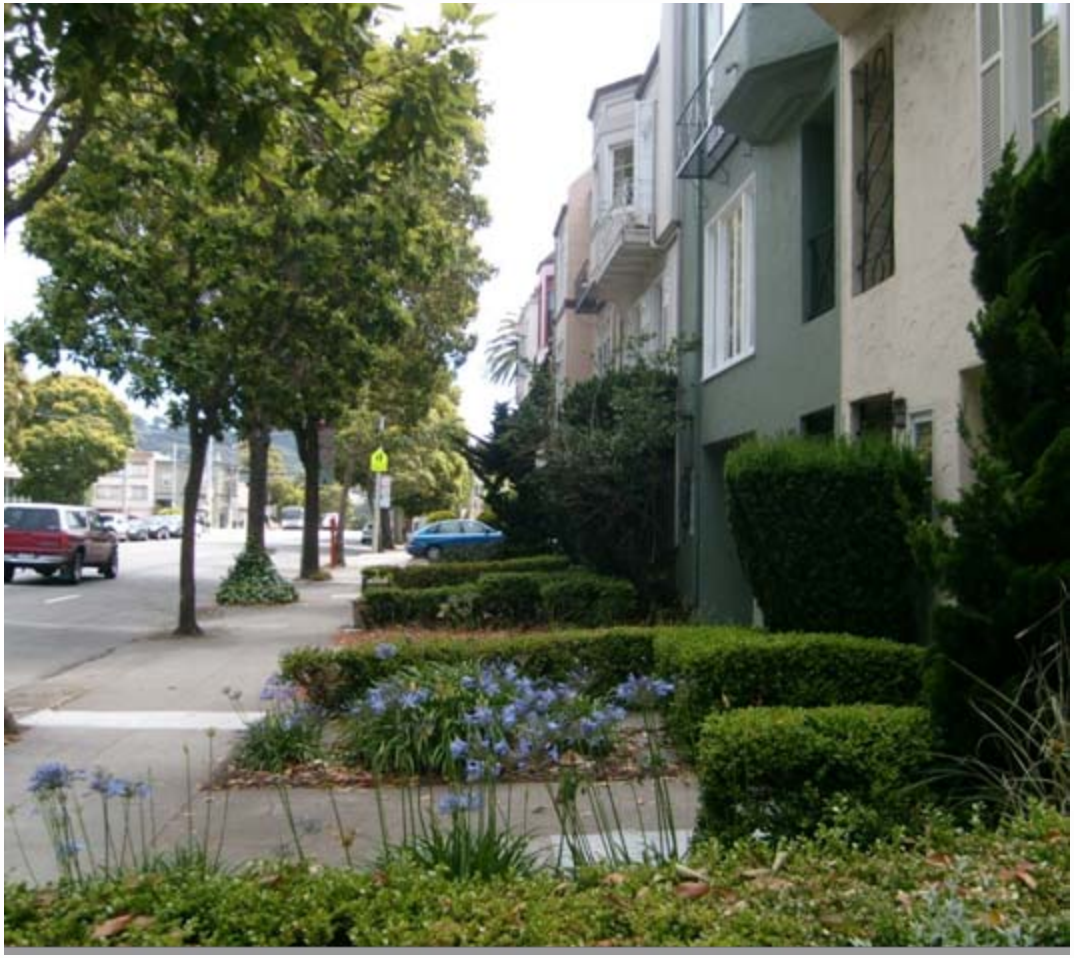
Issue:
On some stretches of Masonic Avenue, the sidewalk slopes to provide access to driveways and front stoops. Narrowing the sidewalk by any significant amount is virtually impossible due to these conditions.



Sidewalk Constraints

Planting Areas

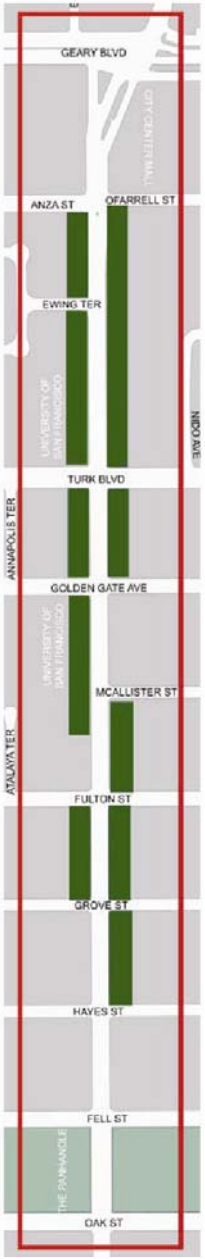
Issue:
On some stretches of Masonic Avenue, the sidewalk is used informally as a front yard and landscaping area. The elimination of “lawn space” degrades the pedestrian experience and adversely affects stormwater infiltration.



Sidewalk Constraints

Mature Street Trees

Issue:
On most blocks of Masonic Avenue, sidewalk narrowing would require removal of mature street trees. City policy is to protect existing healthy street trees in the public right of way.



Potential Options

A. East side parking, 4 traffic lanes, bike lane

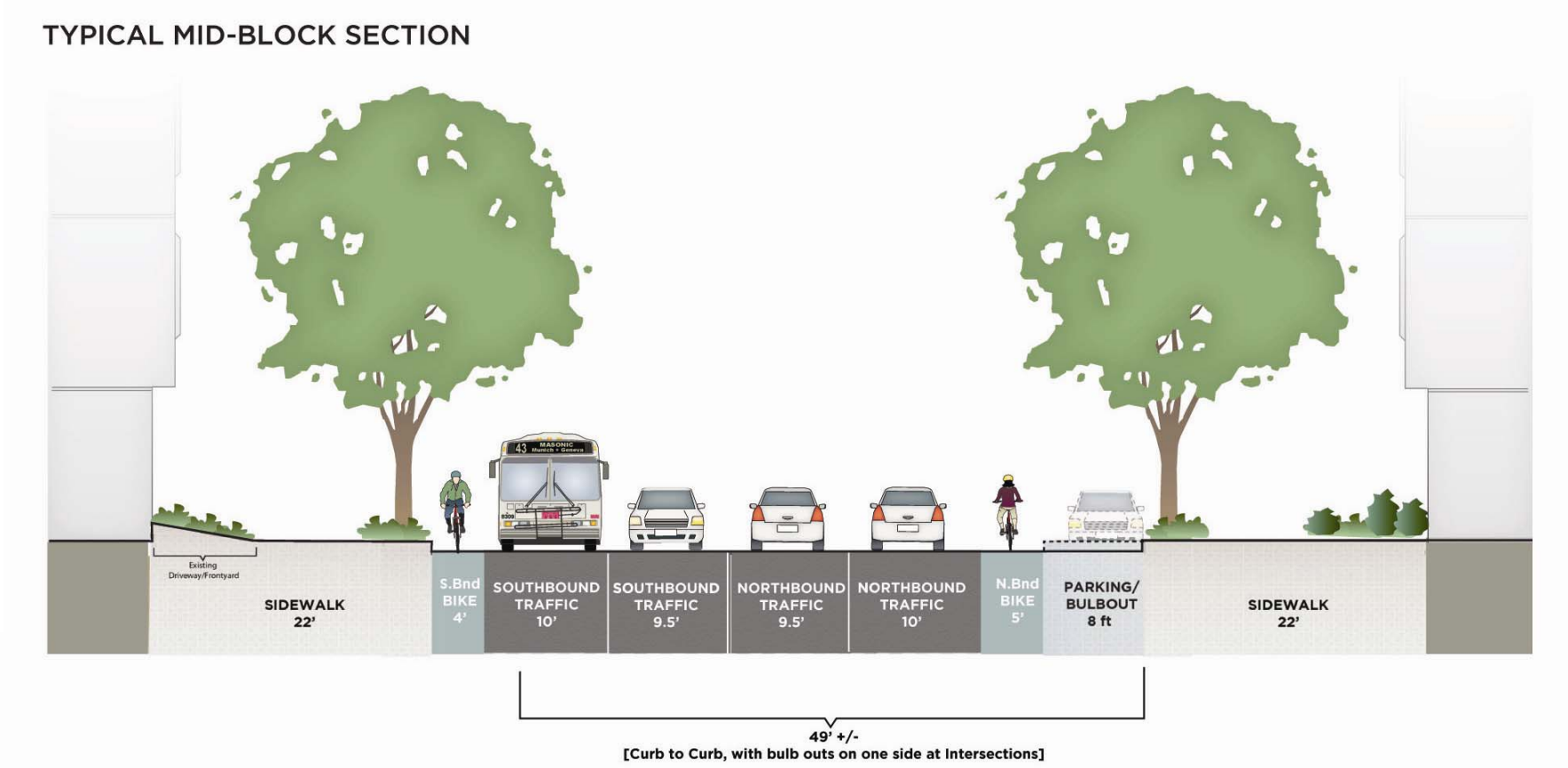
B. Night parking, 4/2 traffic lanes, shifting bike lanes

C. No parking, 4 traffic lanes, cycle track,

D. Parking at all times, 4 traffic lanes, cycle track on sidewalk

Option A

East side parking, 4 traffic lanes, bike lane



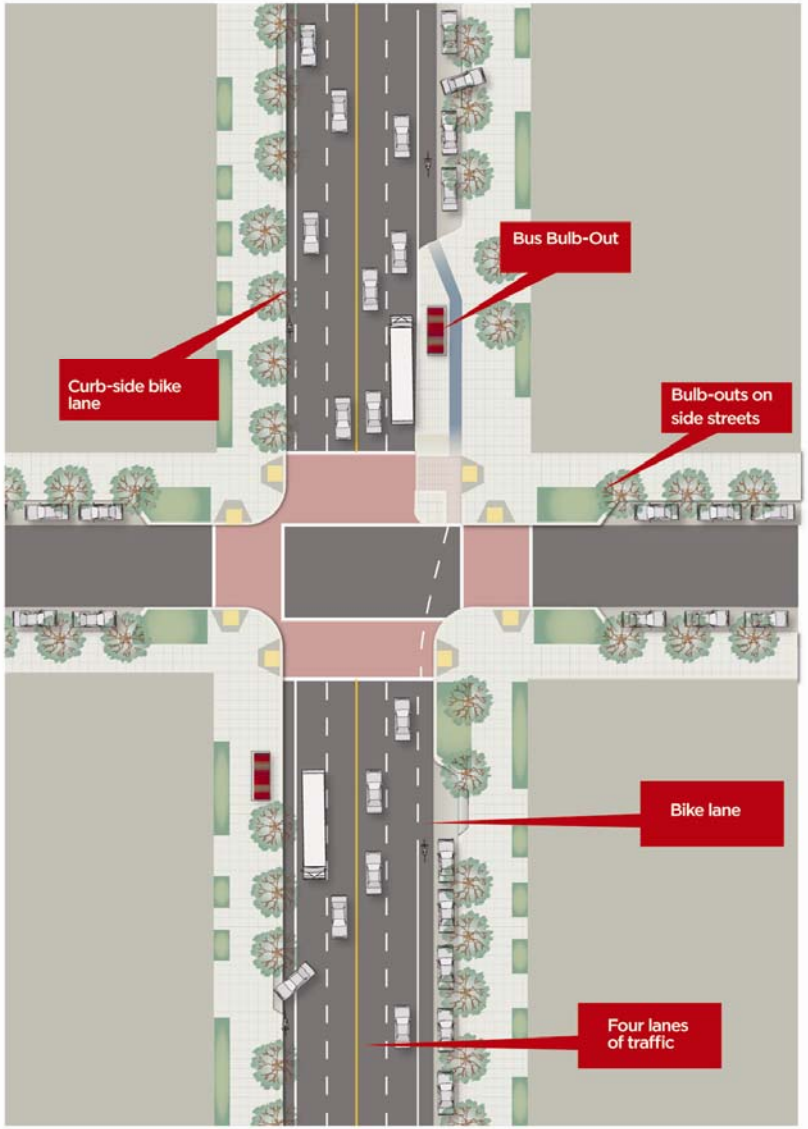
Option A

East side parking,
4 traffic lanes, bike lane

Bike Lane

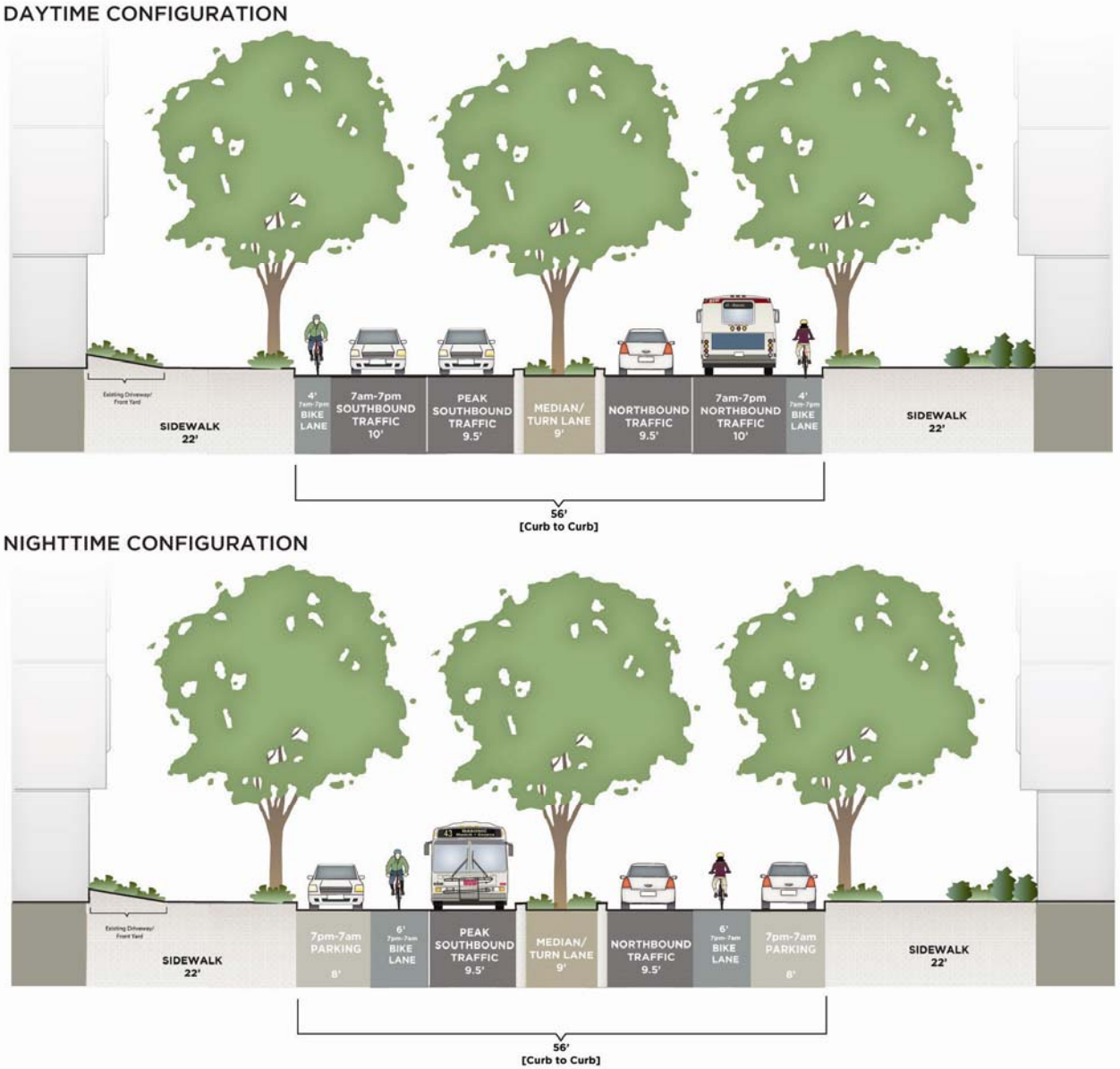
Bus Bulb-out (Oakland, CA)

CONCEPTUAL PLAN VIEW OF TYPICAL INTERSECTION



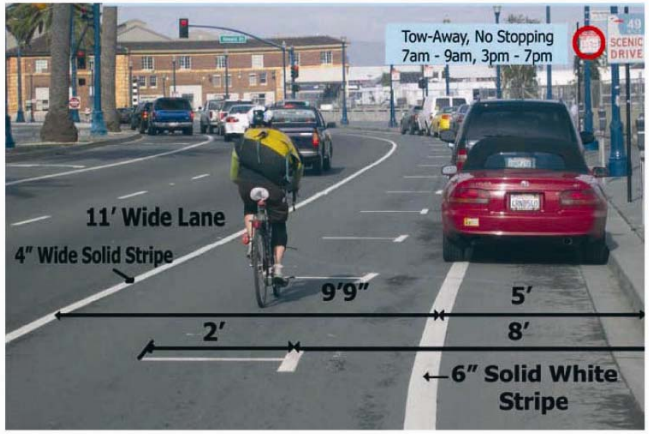
Option B

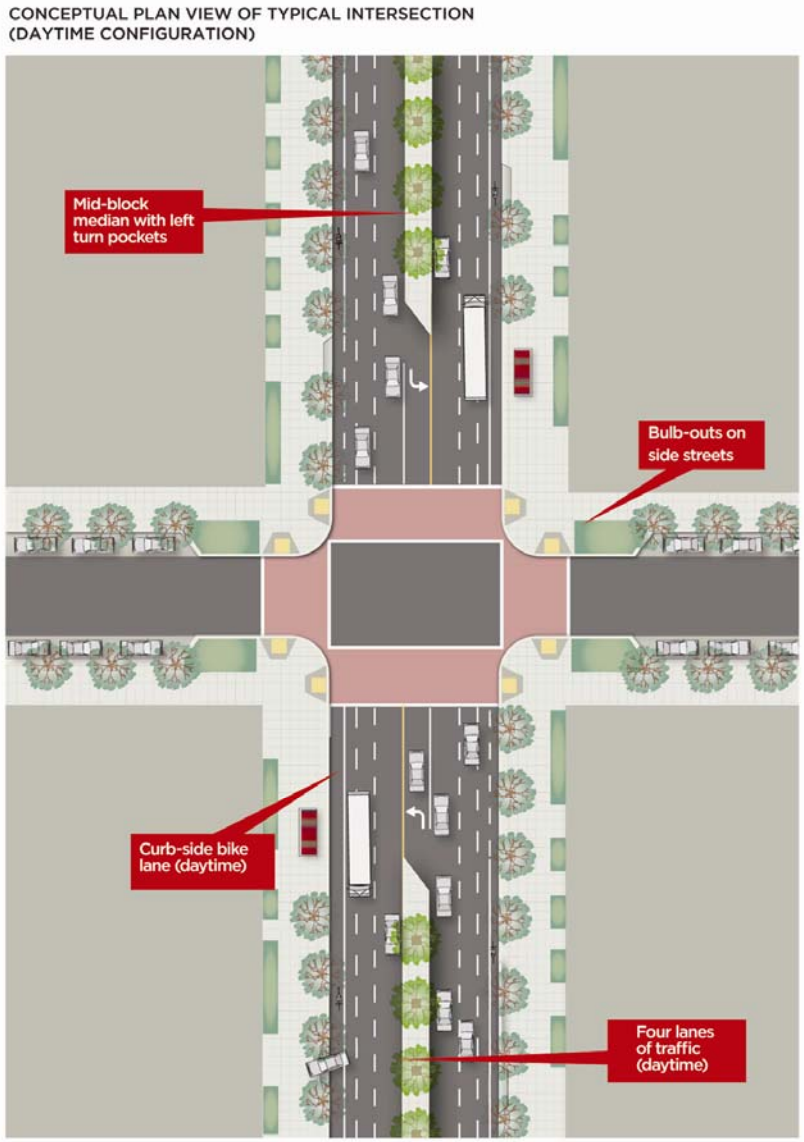
Night parking, 4/2 traffic lanes, shifting bike lanes



Option B

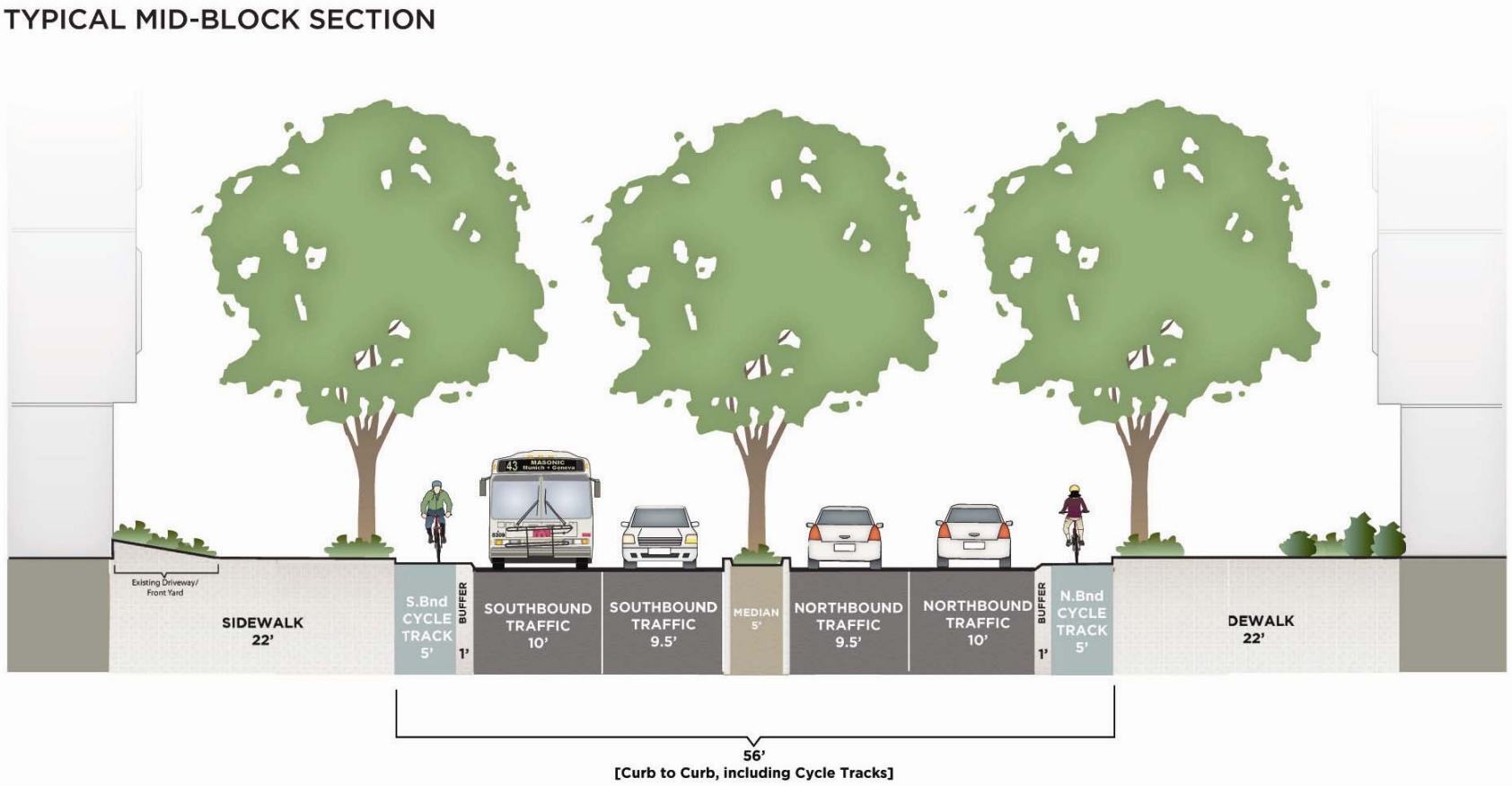
Night parking,
4/2 traffic lanes, shifting bike lanes





Option C

No parking, 4 traffic lanes, cycle track



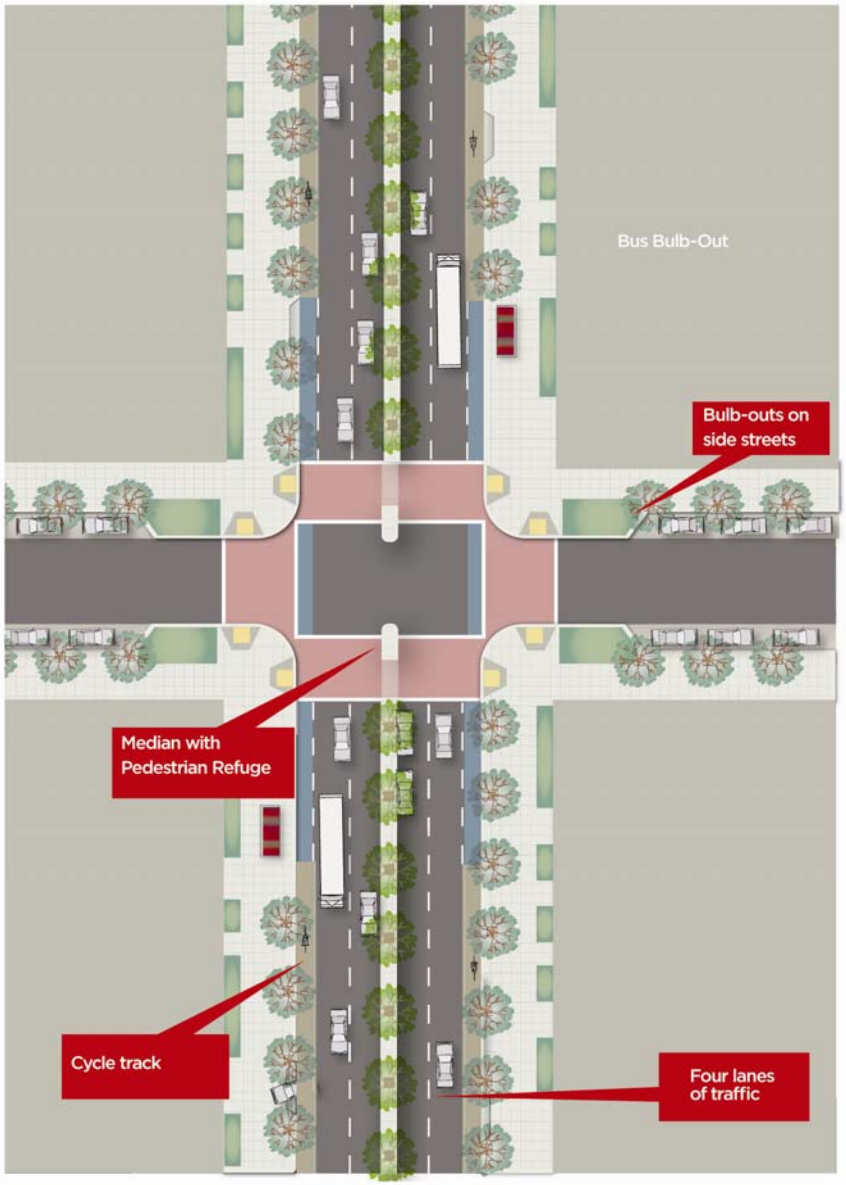
Option C

No parking, 4 traffic lanes, cycle track

Landscaped Median (Octavia Blvd)

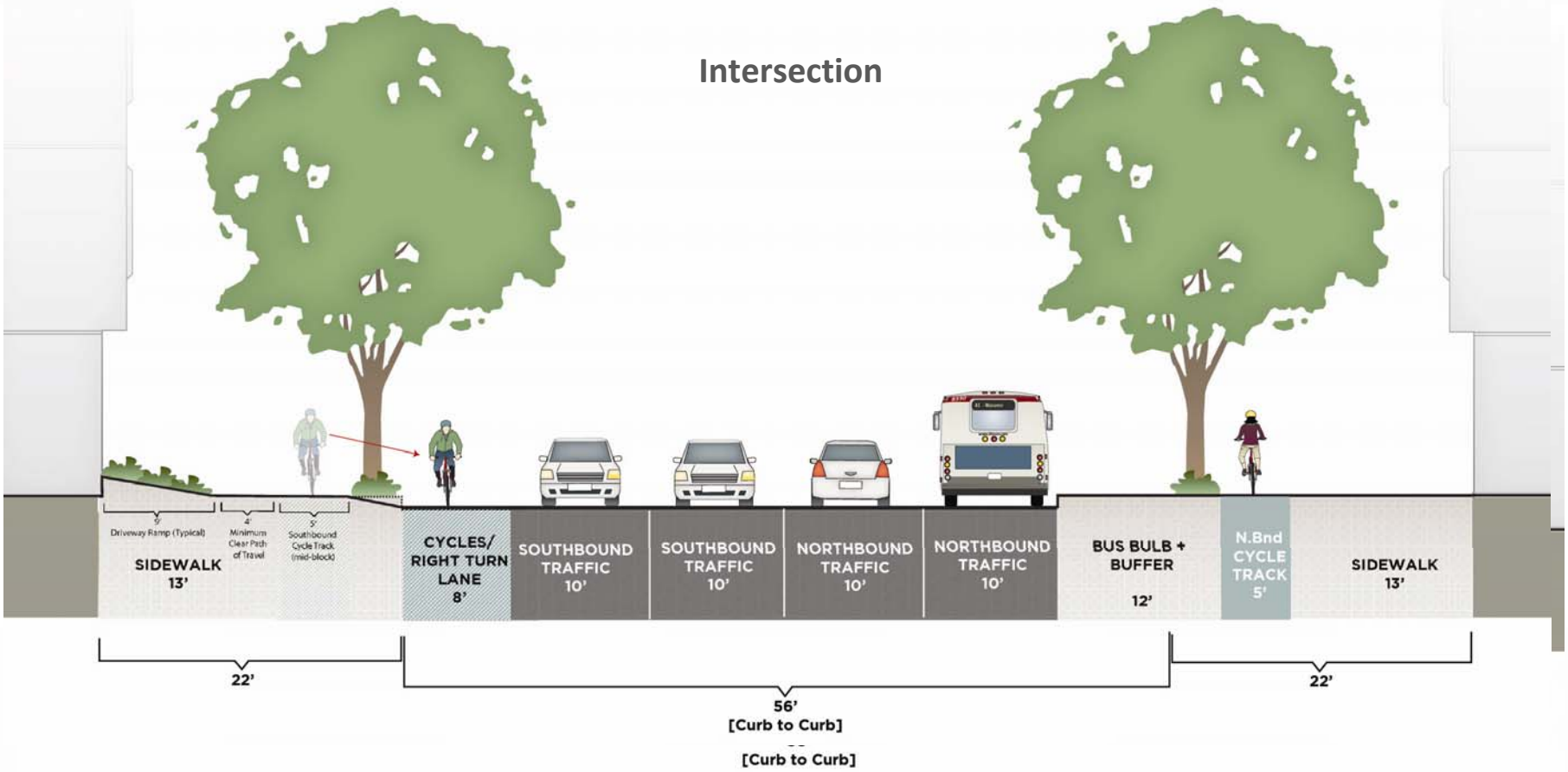
Cycle track next to traffic lanes (Vancouver, BC)

CONCEPTUAL PLAN VIEW OF TYPICAL INTERSECTION



Option D

Parking at all times, 4 traffic lanes, cycle track on existing

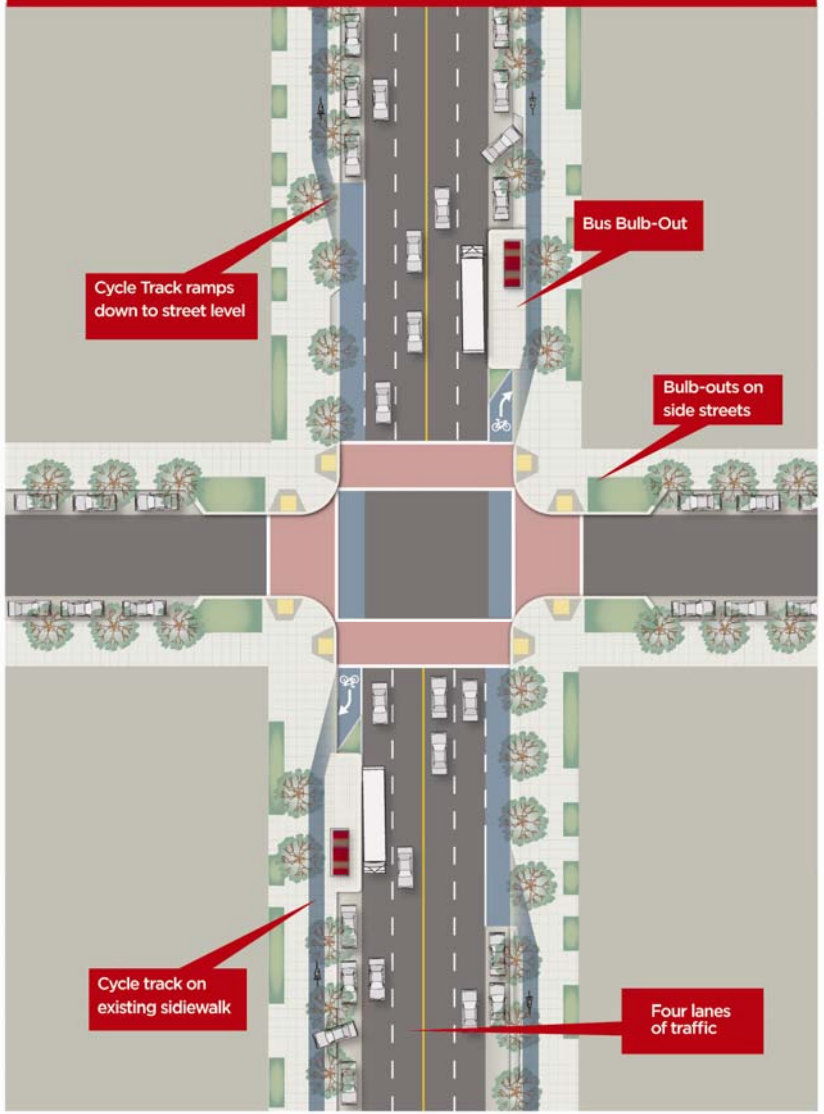


Option D

Parking at all times, 4 traffic lanes, cycle track on existing sidewalk

CONCEPTUAL PLAN VIEW OF TYPICAL INTERSECTION

SPECIAL NOTE: The cycle-track on the existing sidewalk layout shown for this option can not be applied to all blocks of Masonic Avenue due to existing narrow sidewalks and safety concerns over grade changes, mainly south of Turk Blvd. In these areas, a variation of one of the other options would need to be used.



OPTIONS MATRIX

OPTIONS MATRIX

Preliminary Ranking of Major Street Elements in Relation to Other Options

RANKING KEY

EXCELLENT VERY GOOD GOOD FAIR POOR

	A Eastside Parking, 4 Traffic Lanes, Bike Lanes	B Night Parking, 4/2 Traffic Lane, Shifting Bike Lanes	C No Parking, 4 Traffic Lanes, Cycle Track	D Parking at All Times, 4 Traffic Lanes, Cycle Track on Existing Sidewalk
Construction Duration/Cost	East side bulb-outs add to duration/cost	Mid-Block medians add to duration/cost	Block-long medians + cycle tracks add to duration/cost	Bus bulb outs and ramps for cycle track add to duration/cost
Pedestrian Crossings	Bulb outs on east side provide shortened crossing	Shortened crossing at night (only two lanes of traffic)	Median provides shortened crossing	No major crossing improvements
Traffic Flow	Four lanes of traffic at all times	Four lanes of traffic only during daytime, 2 lanes at night	Four lanes of traffic at all times	Four lanes of traffic at all times
Sidewalk Quality/Width	Sidewalk remains 22' wide	Sidewalk remains 22' wide	Sidewalk remains 22' wide	Sidewalk narrowed for cycle track
On-Street Parking	Permanent parking on east side of street	No daytime parking. Nighttime parking on both sides of street	No on-street parking	Permanent parking on both sides of street, some spaces removed near intersections
Bike Facilities	Bike lanes	Shifting bike lanes	Cycle tracks	Cycle track on existing sidewalk (requires meandering)
Transit Flow	Potential for bus-bulbs on east side of street	No bus bulbs; less travel lanes at night could increase delay	No bus bulbs	Potential for bus bulbs on both sides of street
Street Trees/ Greening	Potential to add street trees/greening in bulb outs	Potential to add street trees/greening in a mid-block median	Potential to add street trees/greening in full-length median	Requires removal of some street trees and sidewalk landscaping

Masonic MASONIC AVENUE STREET REDESIGN STUDY Workshop 2

SAN FRANCISCO PLANNING DEPARTMENT SFMTA Municipal Transportation Agency

Up-coming major projects

Geary Street BRT

New Target Store

Up-coming major projects- Geary BRT

Traffic at surface (2 lanes each direction)

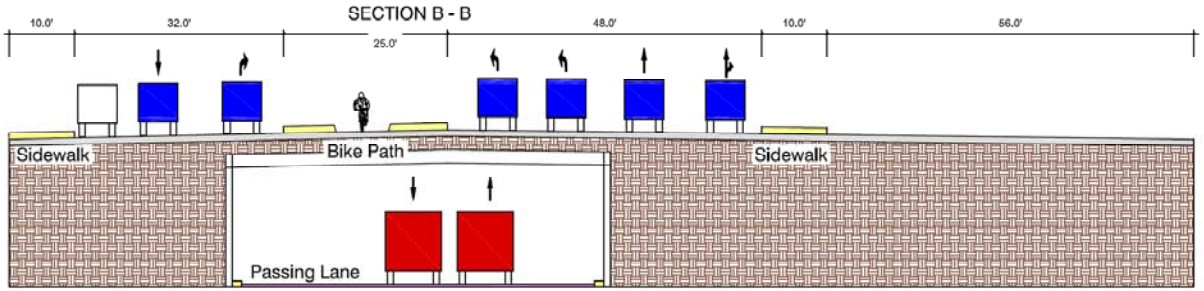
BRT in bus-only tunnel; stations at tunnel approaches

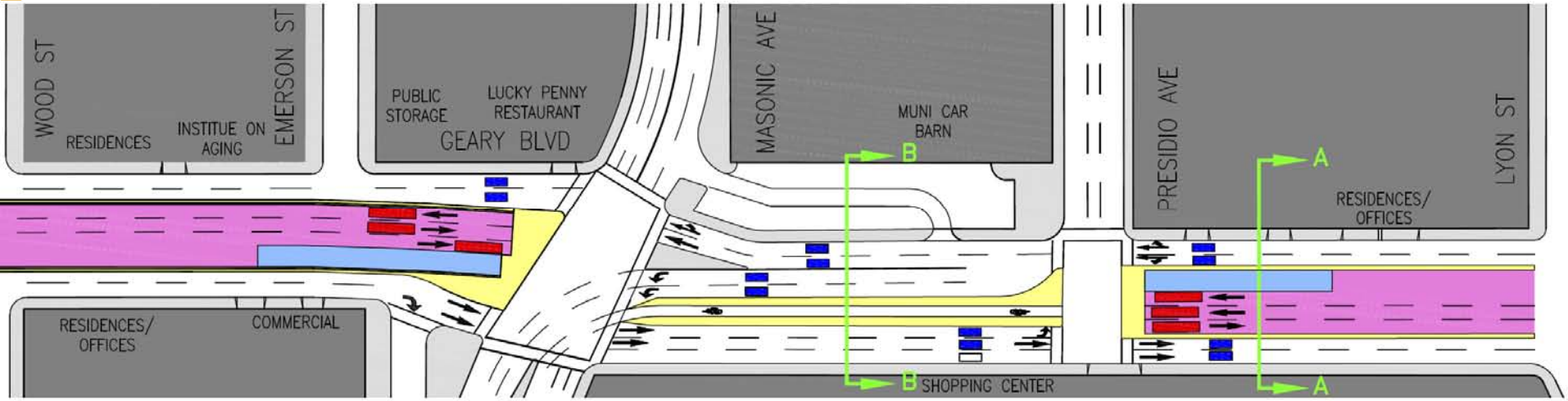
Traffic flows with additional turn restrictions

Improved transfer to 43-Masonic

Construction Duration: 1½ - 2 yrs

Cost: $10 – 15m





Up-coming major projects- Proposed Target Project

Streetscaping Opportunities

Sidewalk Plantings,
Stormwater Planters,
Landscaped Medians,
Bus Stop Improvements,
Plazas/Public Open Space,
Site Furnishings and Lighting

Streetscaping Opportunities

Sidewalk Plantings

Streetscaping Opportunities

Stormwater Planters

Stormwater Planters:

- Minimize impervious surfaces
- Slow the entry of stormwater into sewers
- Use landscape features to treat runoff

Streetscaping Opportunities

Landscaped Medians

Streetscaping Opportunities

Plazas/Public Open Space

Leland Avenue

Broadway St and Columbus St

Streetscaping Opportunities

Plazas/Public Open Space - Geary Intersection

Proposed Target Entrance Sidewalk

Island at Geary and Masonic

Up-coming major projects- Proposed Target Project

Streetscaping Opportunities

Plazas/Public Open Space - Geary Street to O'Farrell Street

Streetscaping Opportunities

Bus Stop Improvements

Streetscaping Opportunities

Site Furnishings and Street Lighting

Break Out Time

Reviewing Design Options & Survey

Discussion

Questions & Answers

Next Steps

Next Community Workshop: TBD

Please join us again!

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Thank You

for attending and for your participation!