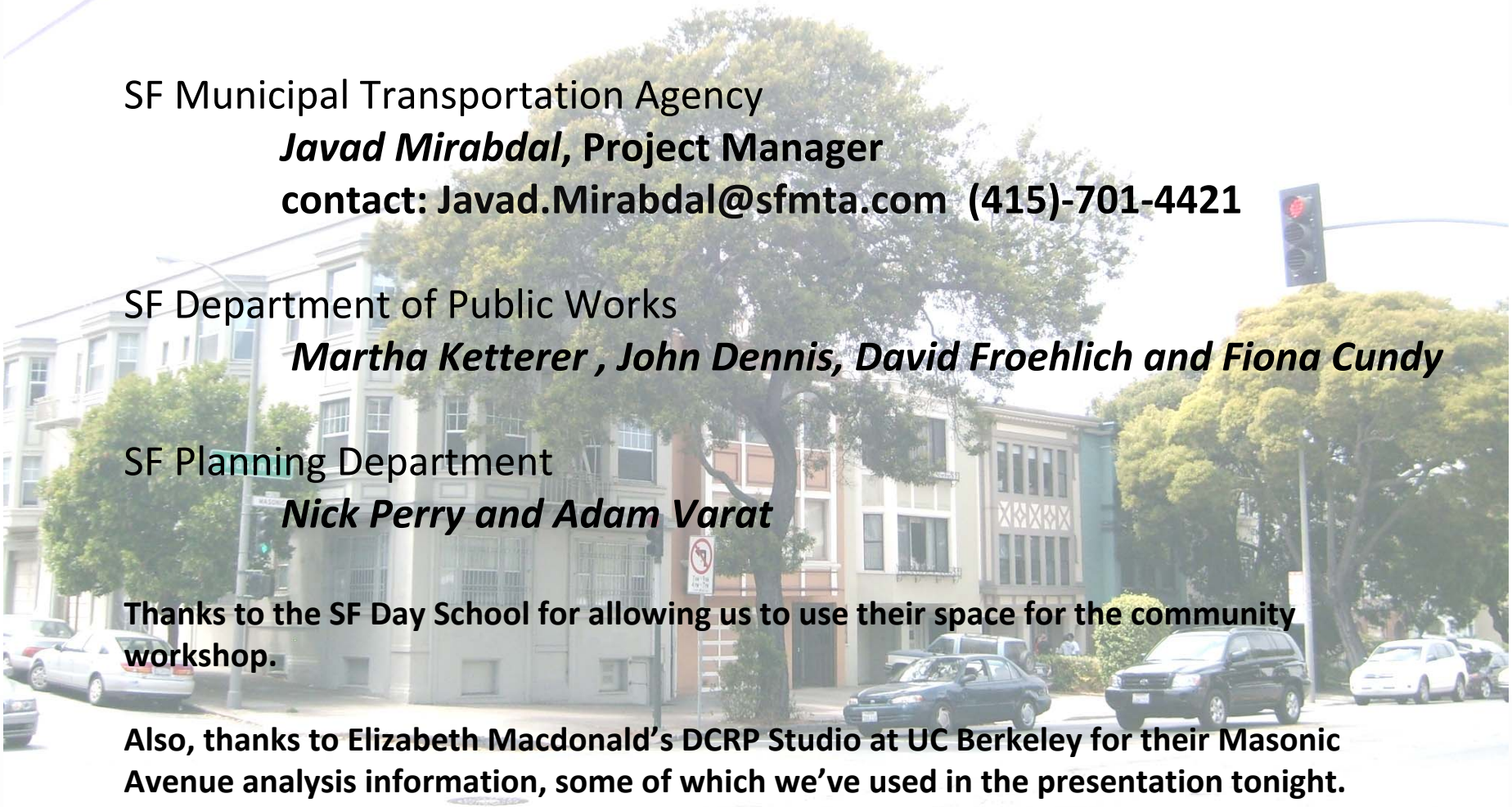
Masonic Ave Street Design Study

Community Workshop 3

September 30, 2010

Introduction



SF Municipal Transportation Agency

***Javad Mirabdal*, Project Manager**

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SF Department of Public Works

Martha Ketterer , John Dennis, David Froehlich 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
- Existing conditions
- Recap of community workshop 1
- Recap of community workshop 2 and survey results
- Review new proposals

30 minutes

- Breakout to review new proposals
- Individual survey

30 minutes

- Regroup for discussion
- Next steps

Federal, State, Regional and City Policies

Federal Planning Factors - 23 CFR 450.214

Safety for motorized and non-motorized users

State Policy AB1358

State Complete Street Policy

MTC Resolution No. 3765

MTC Complete Streets Policy

SF City Charter Section 8A.115

SF Complete Streets Policy

SF Admin Code Chapter 98

SF Better Streets Policy

SF Public Works Code Section 2.4.13

SF Complete Streets Policy

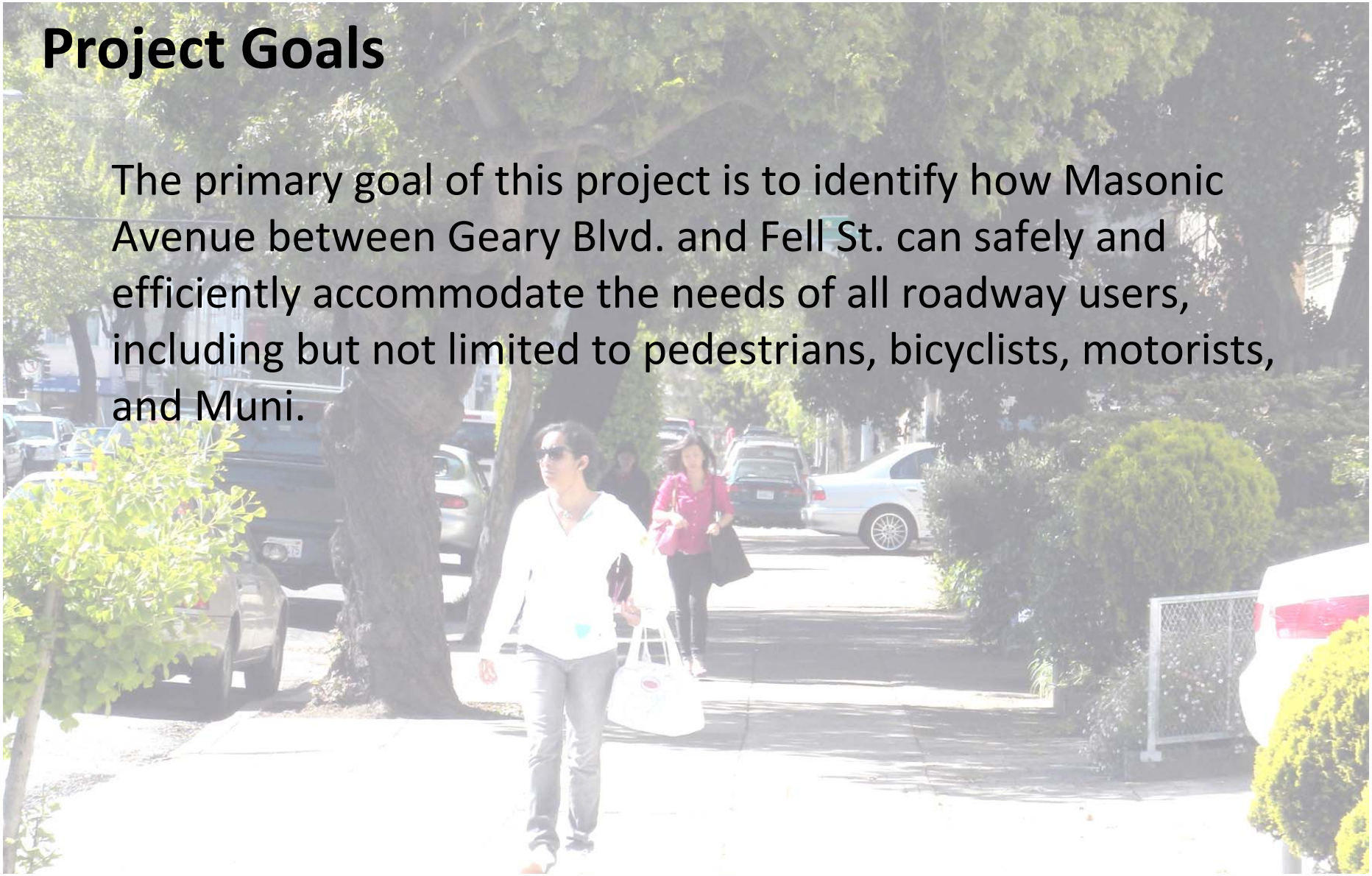
Project Area

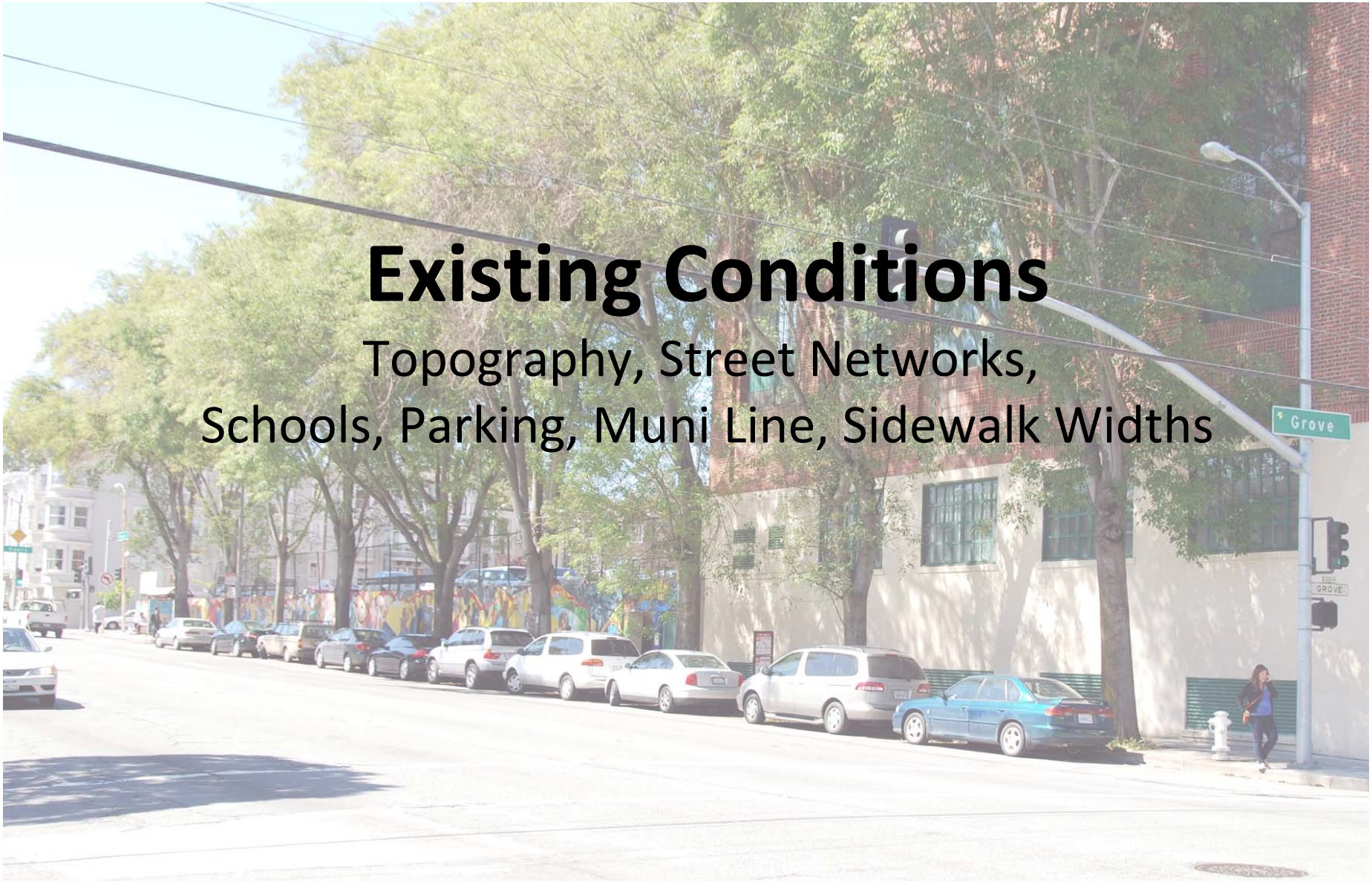
Masonic Avenue from
Fell Street to Geary Blvd.

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.

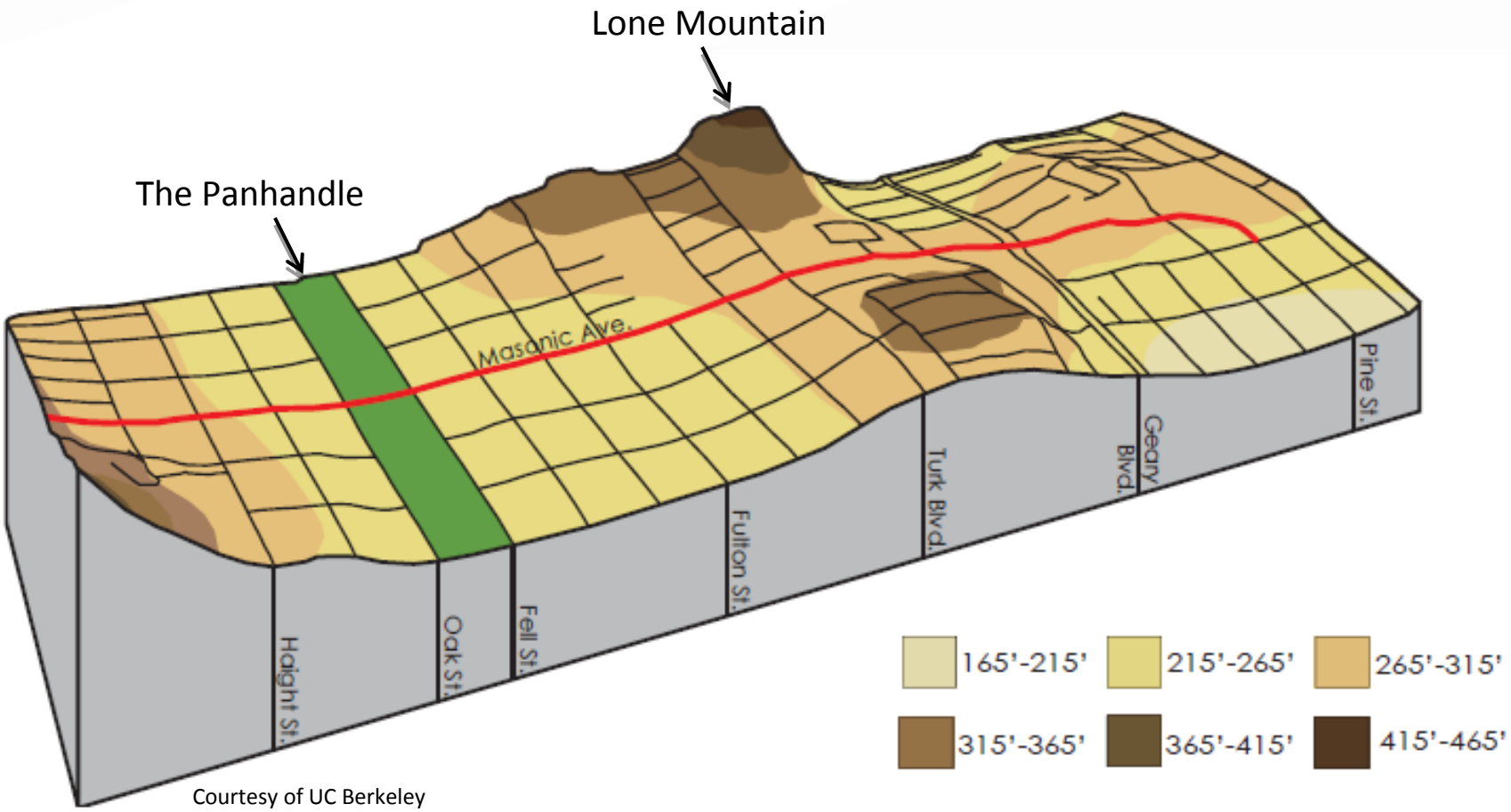




Existing Conditions

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

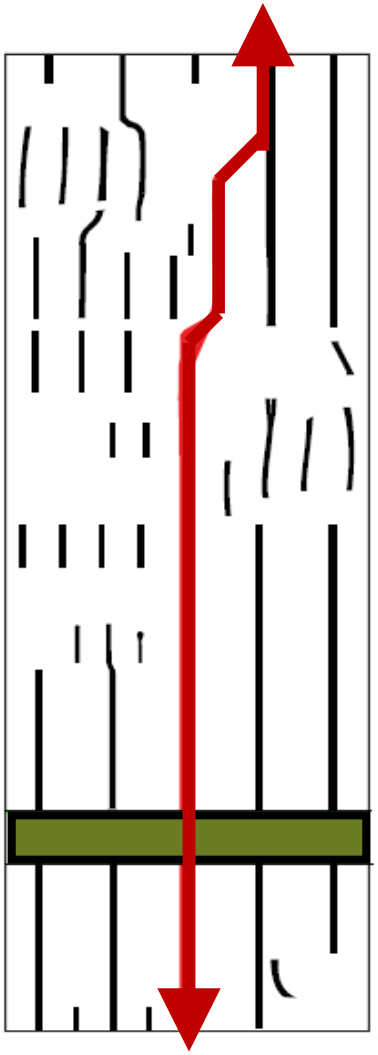
Existing Conditions – Topography



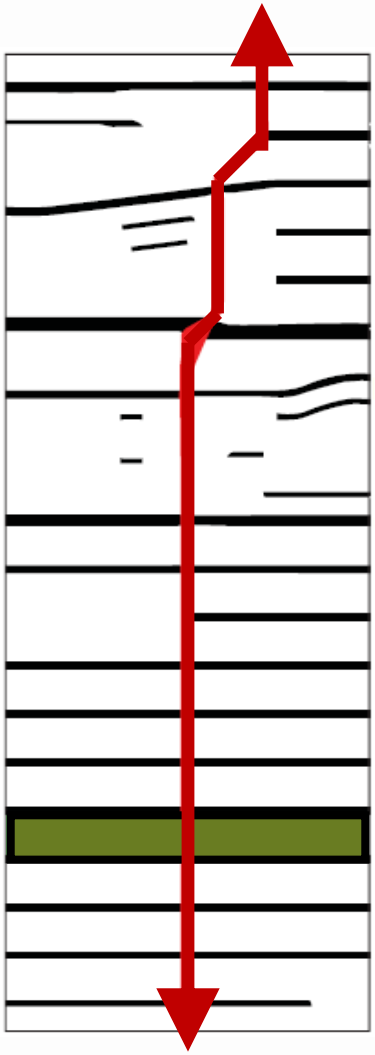
Courtesy of UC Berkeley

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 – Sidewalk Constraints

Grade Changes

+

Sidewalk Plantings

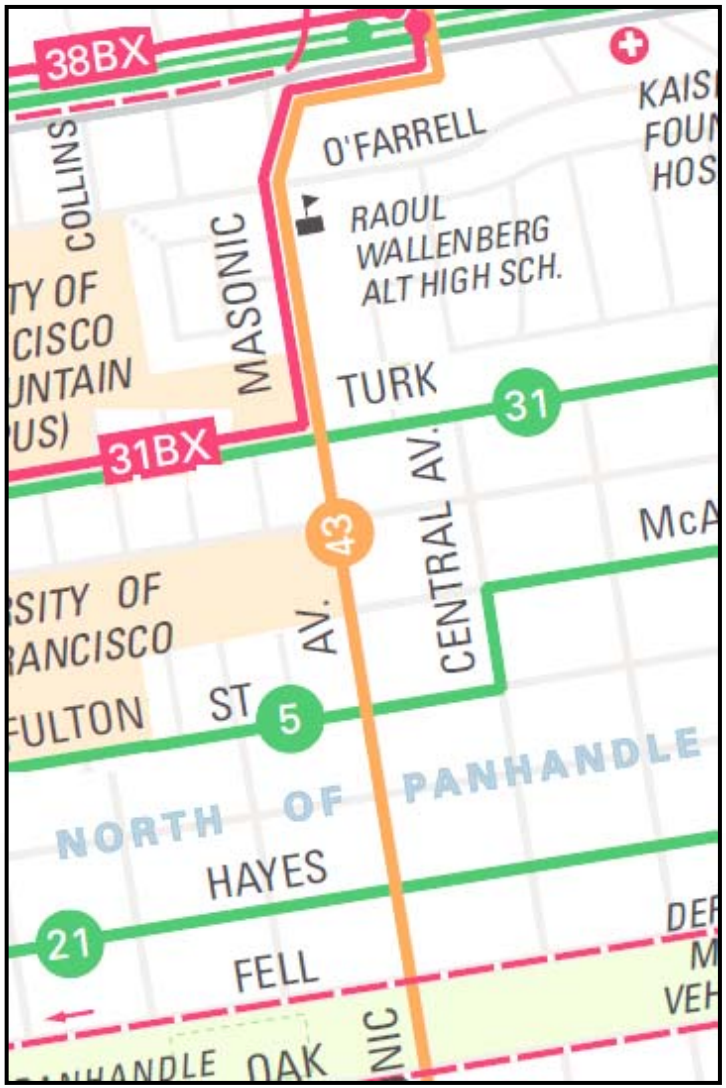
+

Mature Street Trees

=

Existing Conditions – Transit Operation and Amenit

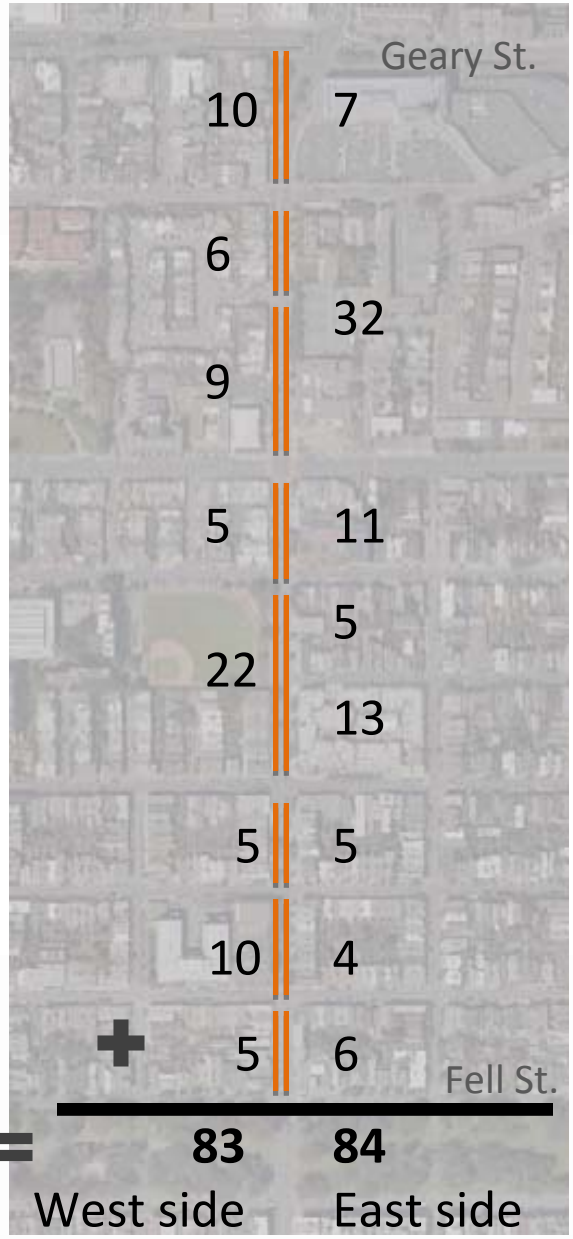
- Bus Route 43 Masonic (9, 12, 10, 20 minutes)
  - Total daily ridership 12,765
  - Daily ridership between Geary and Fell 1,461
- Bus Route 31BX (9, -, 11, - minutes)
- 10 Bus Stops
- 5 stops are equipped with shelters and next bus
- Bus routes 38 & 38L Geary, 31 Turk, 5 Fulton, 21 Hayes and GGT cross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



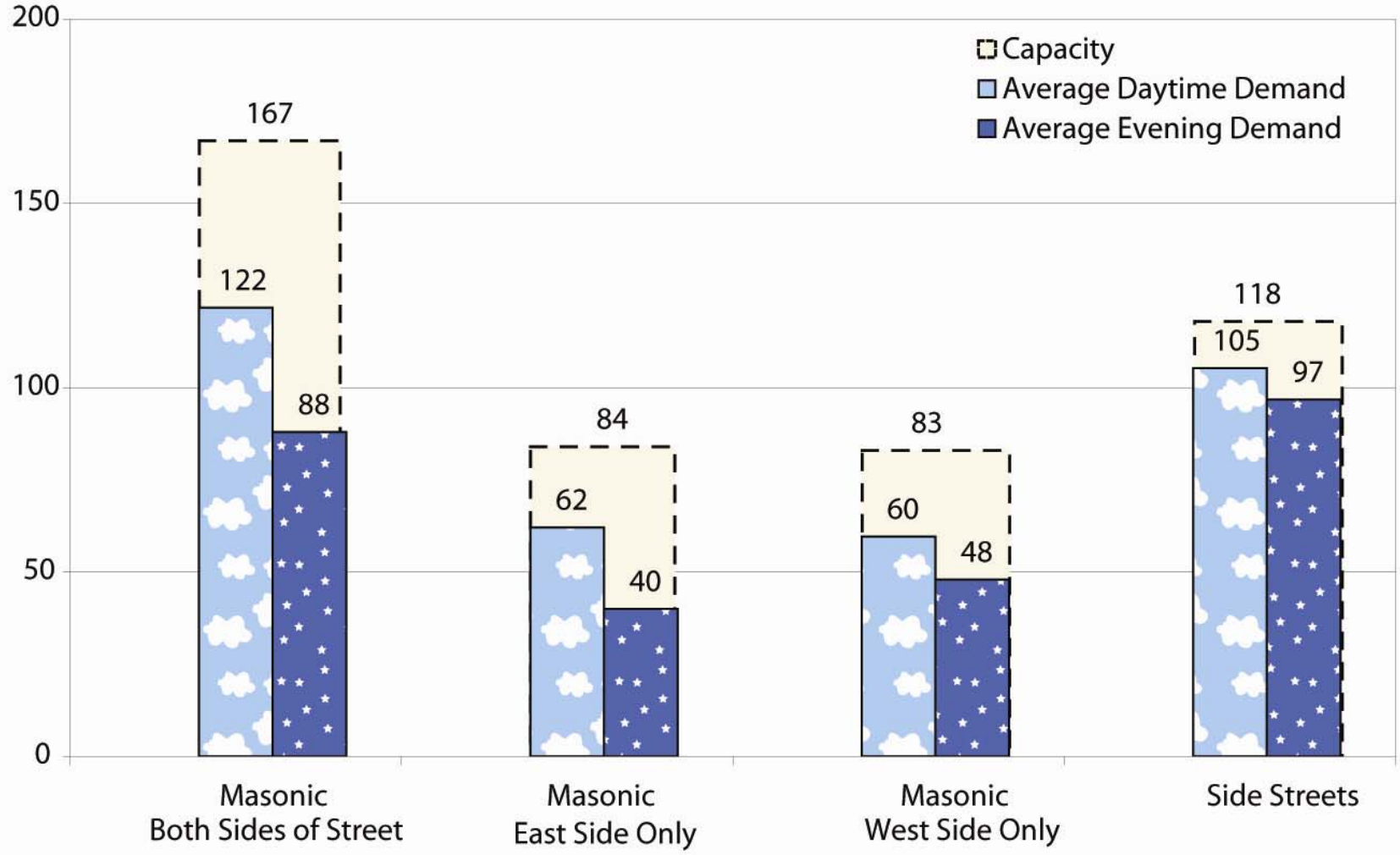
Existing Conditions – Parking

167 parking spaces total

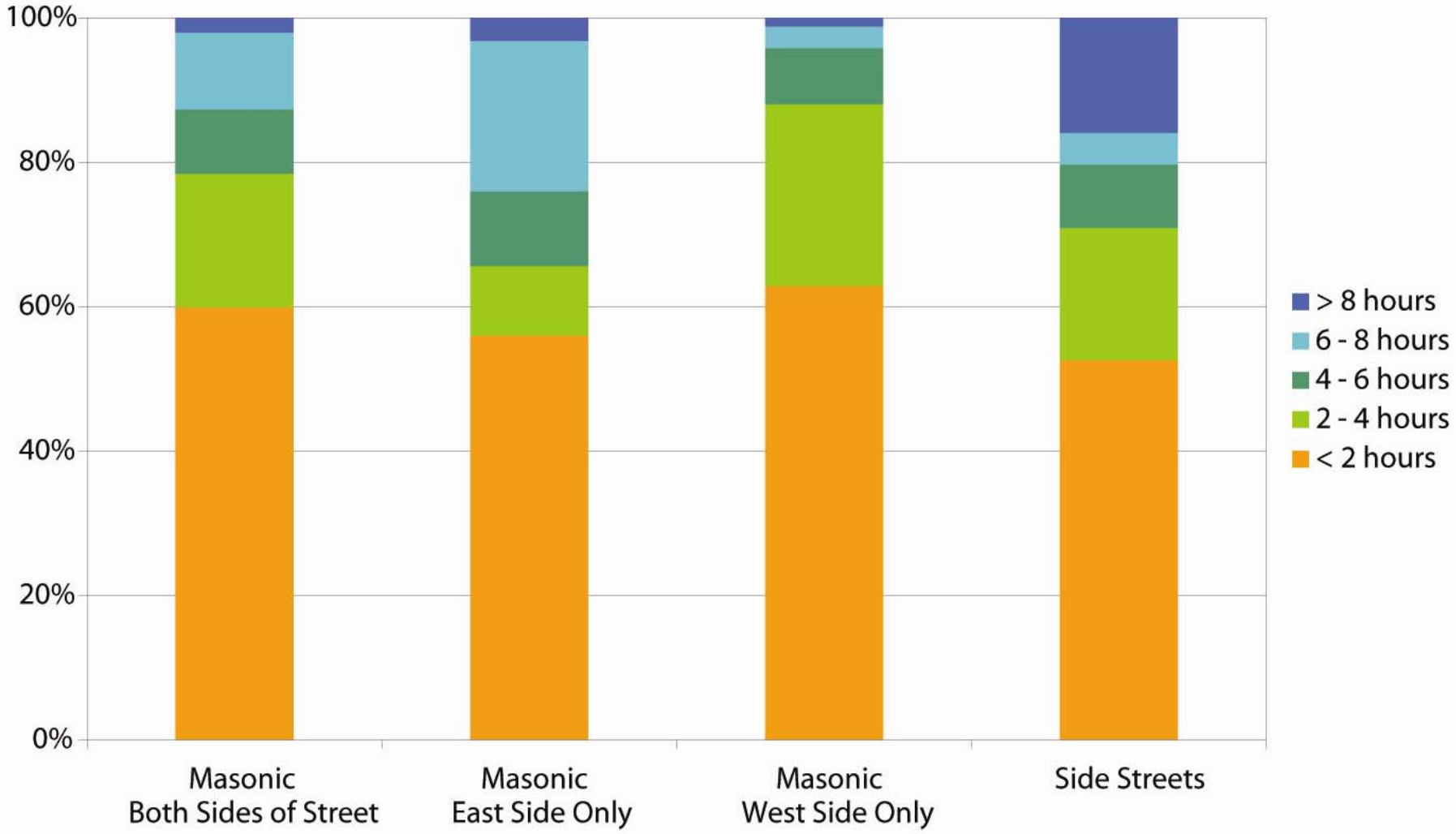
Peak Tow-Away Parking Lane



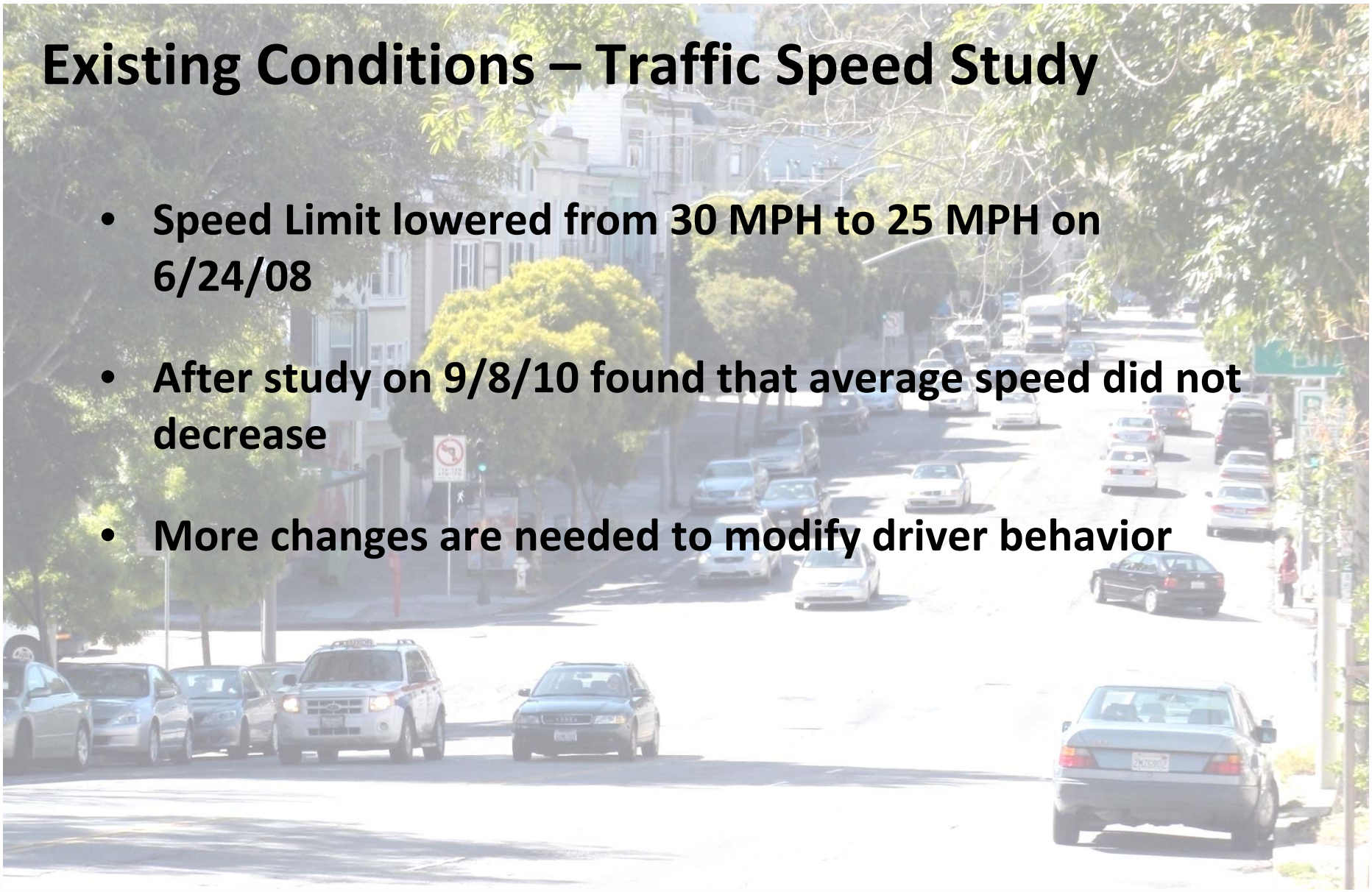
Existing Conditions – Parking Occupancy



Existing Conditions – Daytime Parking Duration



Existing Conditions – Traffic Speed Study



- Speed Limit lowered from 30 MPH to 25 MPH on 6/24/08
- After study on 9/8/10 found that average speed did not decrease
- More changes are needed to modify driver behavior

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

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

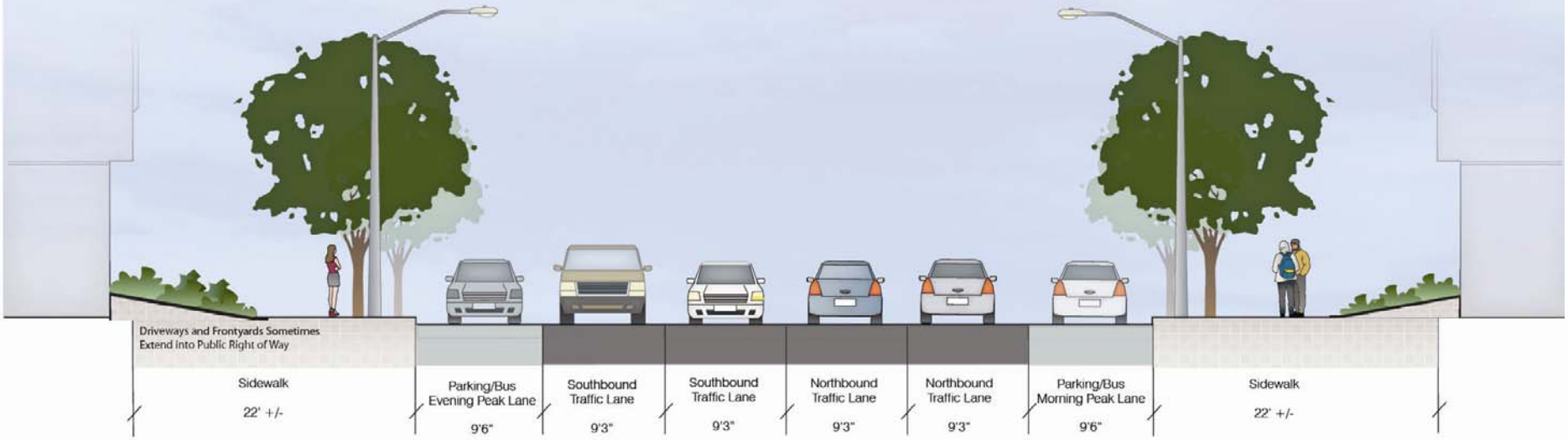
Existing Conditions – PM Peak Southbound Traffic Modeling of Signal Delay

Intersection	Existing 3 Lanes SB Delay (sec)	Proposed - 2 Lanes SB Delay (sec)
Masonic & Geary	29	53
Masonic & Anza/O'Farrell (1 LT lane)	9	9
Masonic & Turk	5	15
Masonic & Golden Gate	4	5
Masonic & Fulton	13	17
Masonic & Grove	2	3
Masonic & Hayes	4	9
Masonic & Fell (2 RT lanes)	35	31
Masonic & Oak (1 LT lane)	10	12
Total Delay	111	154
Additional Delay		**44**

Existing Conditions – Typical Roadway Section

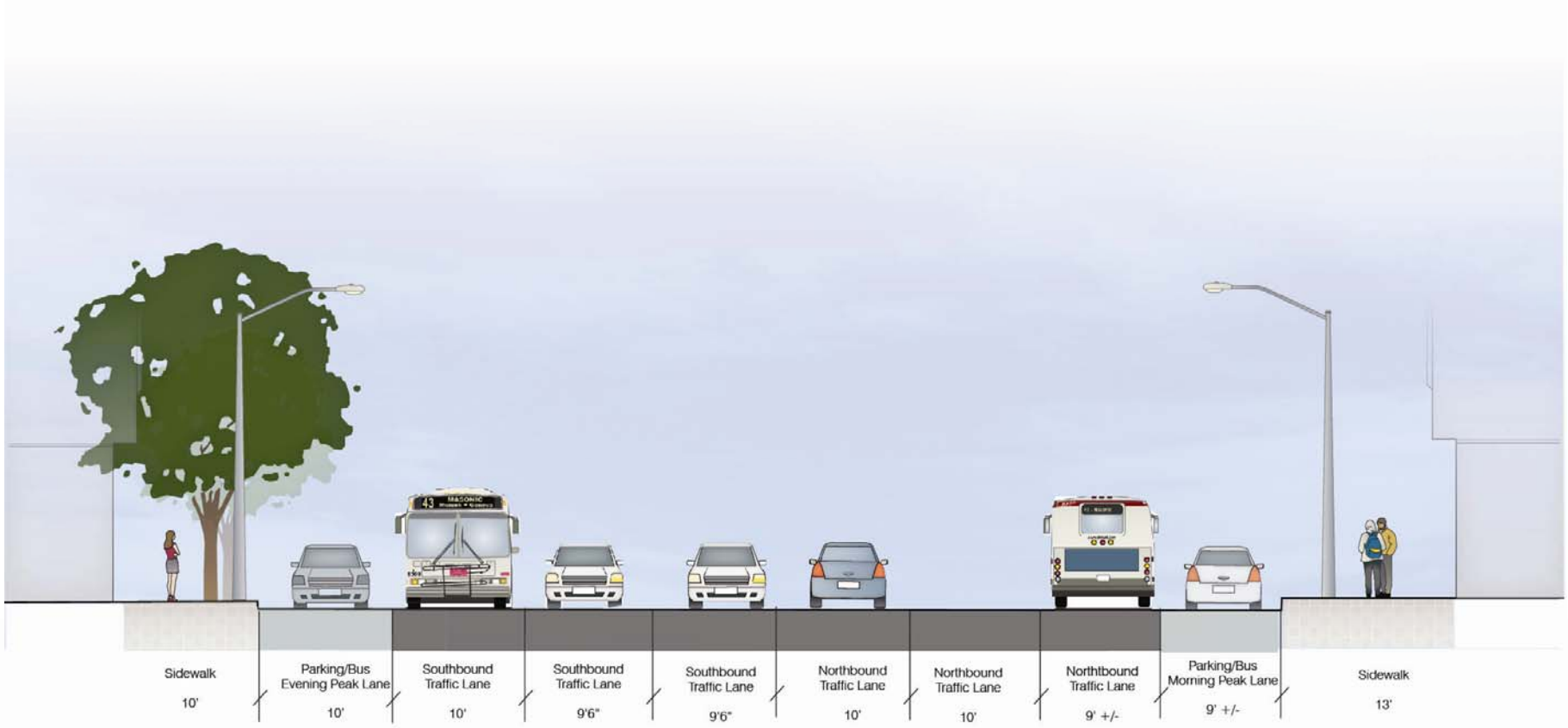
Masonic Ave between Ewing and Fulton

- 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. 83 parking spaces on west side and 84 parking spaces on east side



Existing Conditions – Atypical Roadway Section

Masonic Ave between Hayes and Fell

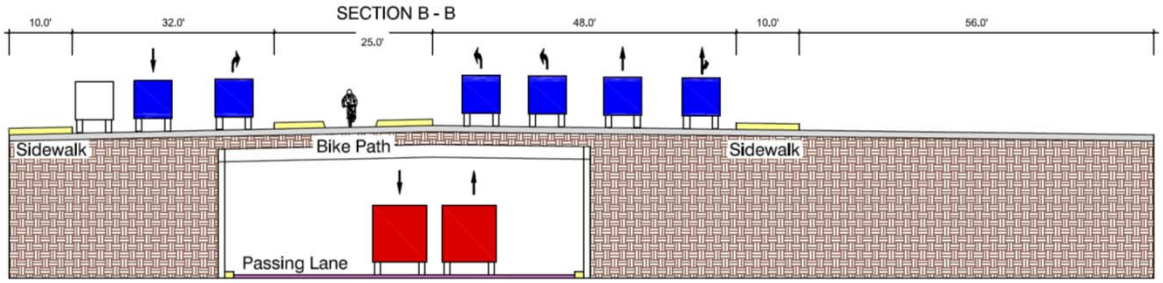


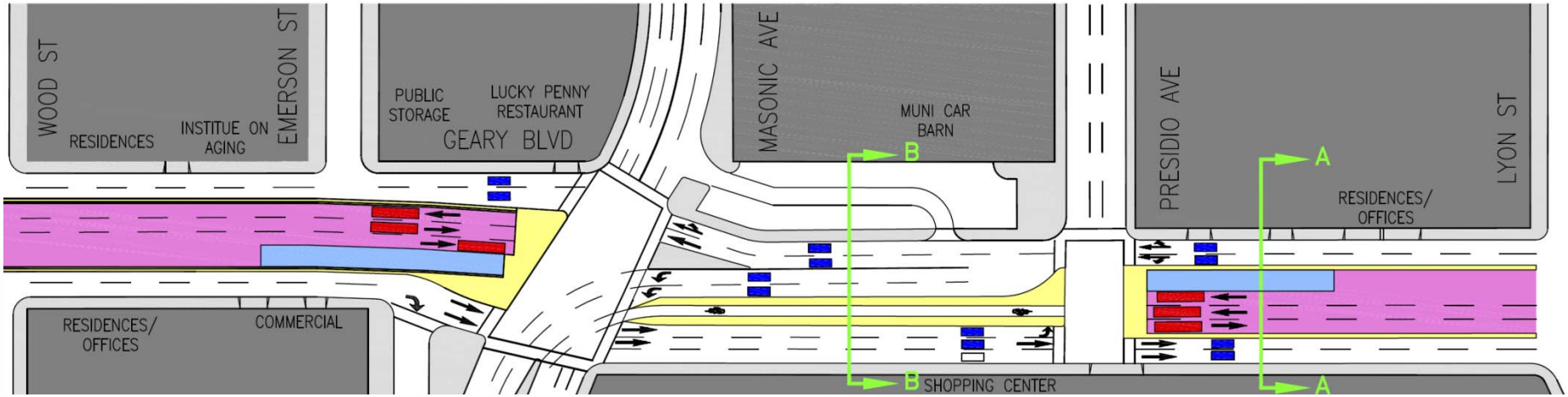
Upcoming Major Projects – Geary BRT

- 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





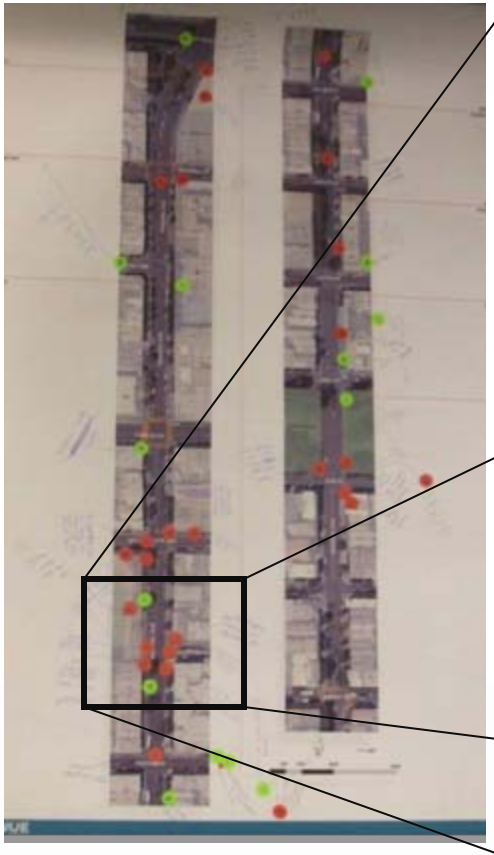
Upcoming major projects – Proposed Target Project

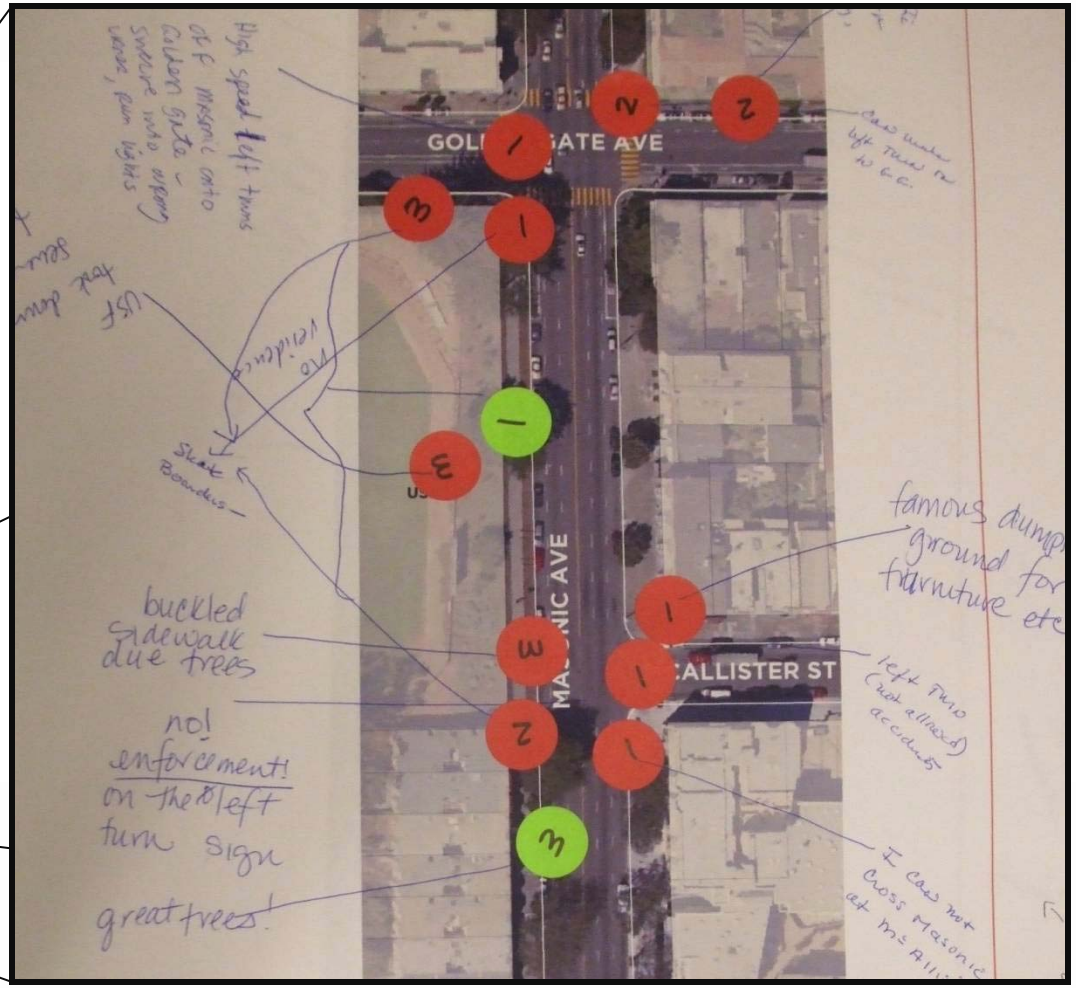
Community Workshop 1

Comments,
Small Group Conceptual Exercise,
Community Priorities

Likes and Dislikes

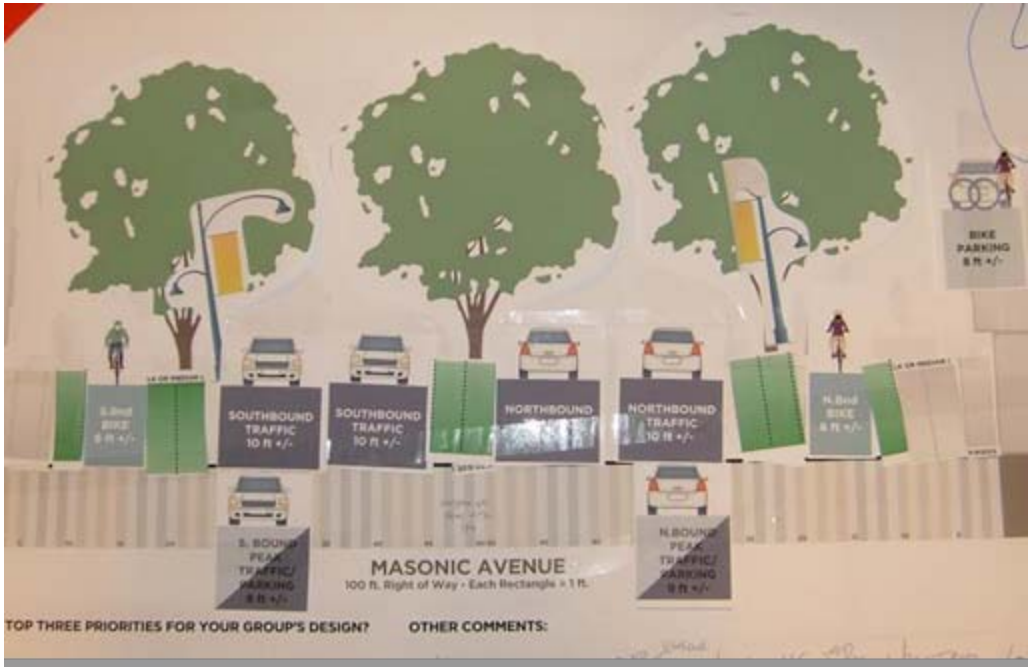
Community Workshop 1





Small Group Conceptual Exercise

Community Workshop 1



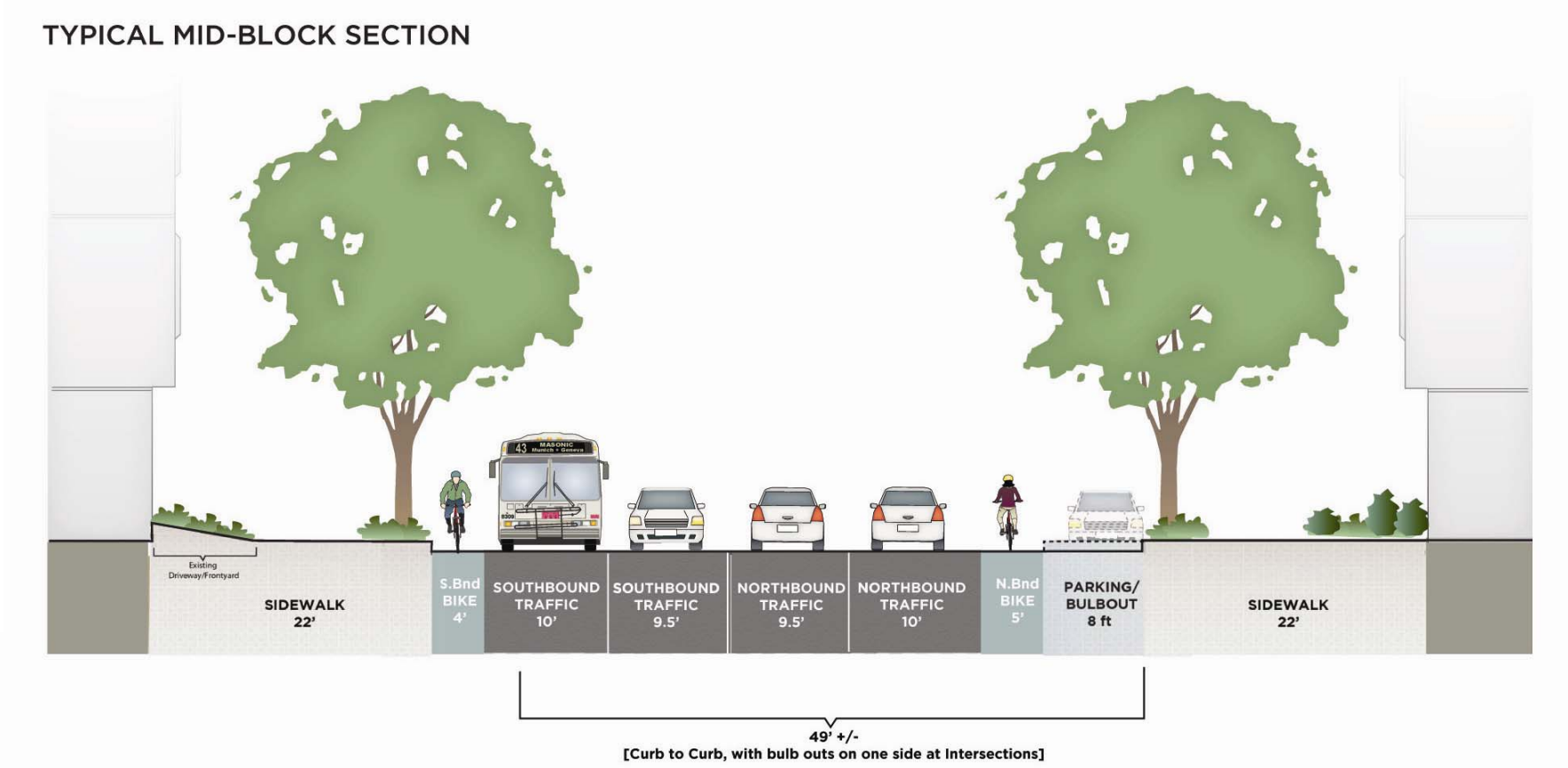
Creating an "Ideal Section"

Community Workshop 2

Presentation of 4 Potential Street Design Options

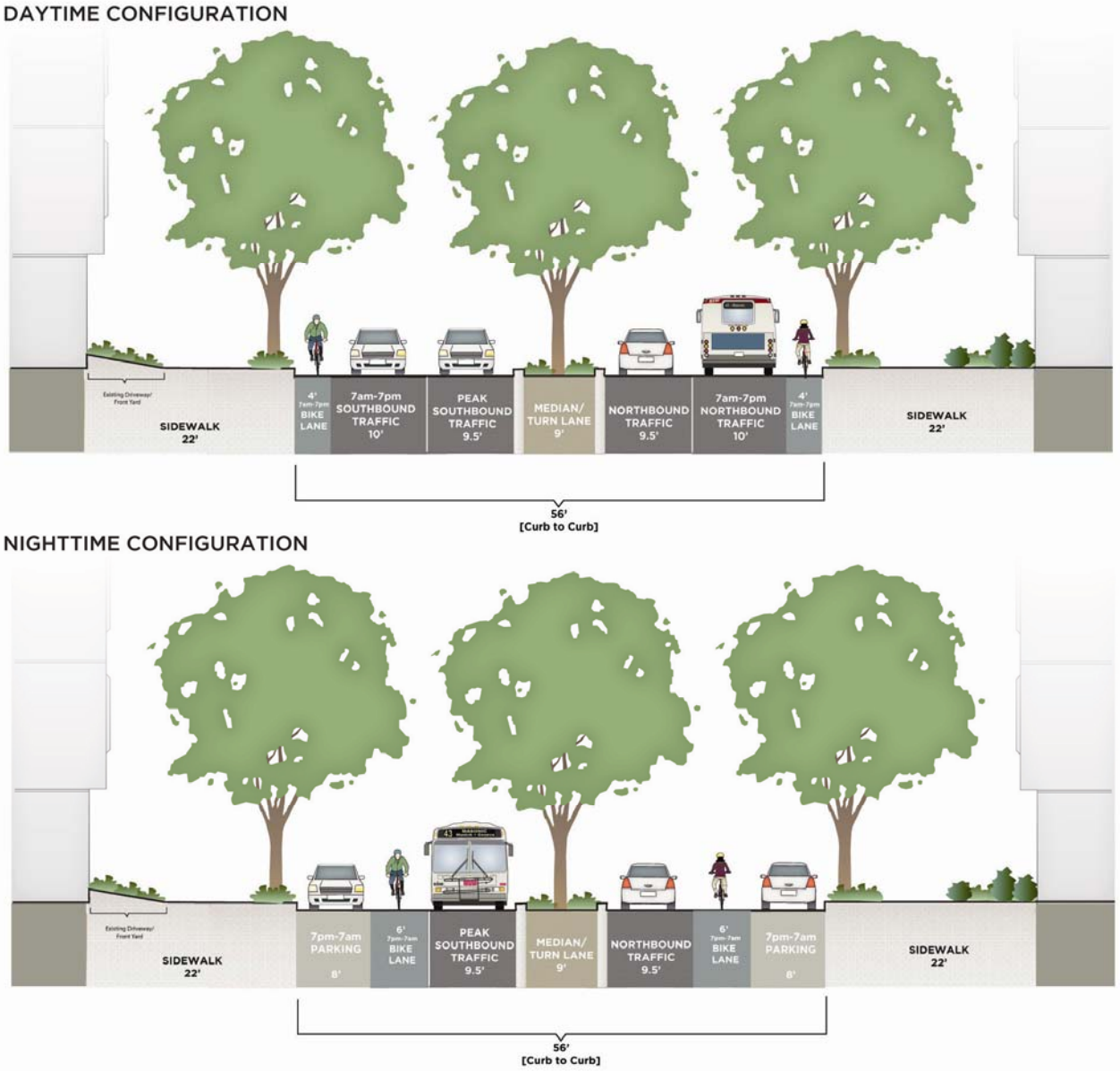
Workshop 2: Option A

East side parking, 4 traffic lanes, bike lane



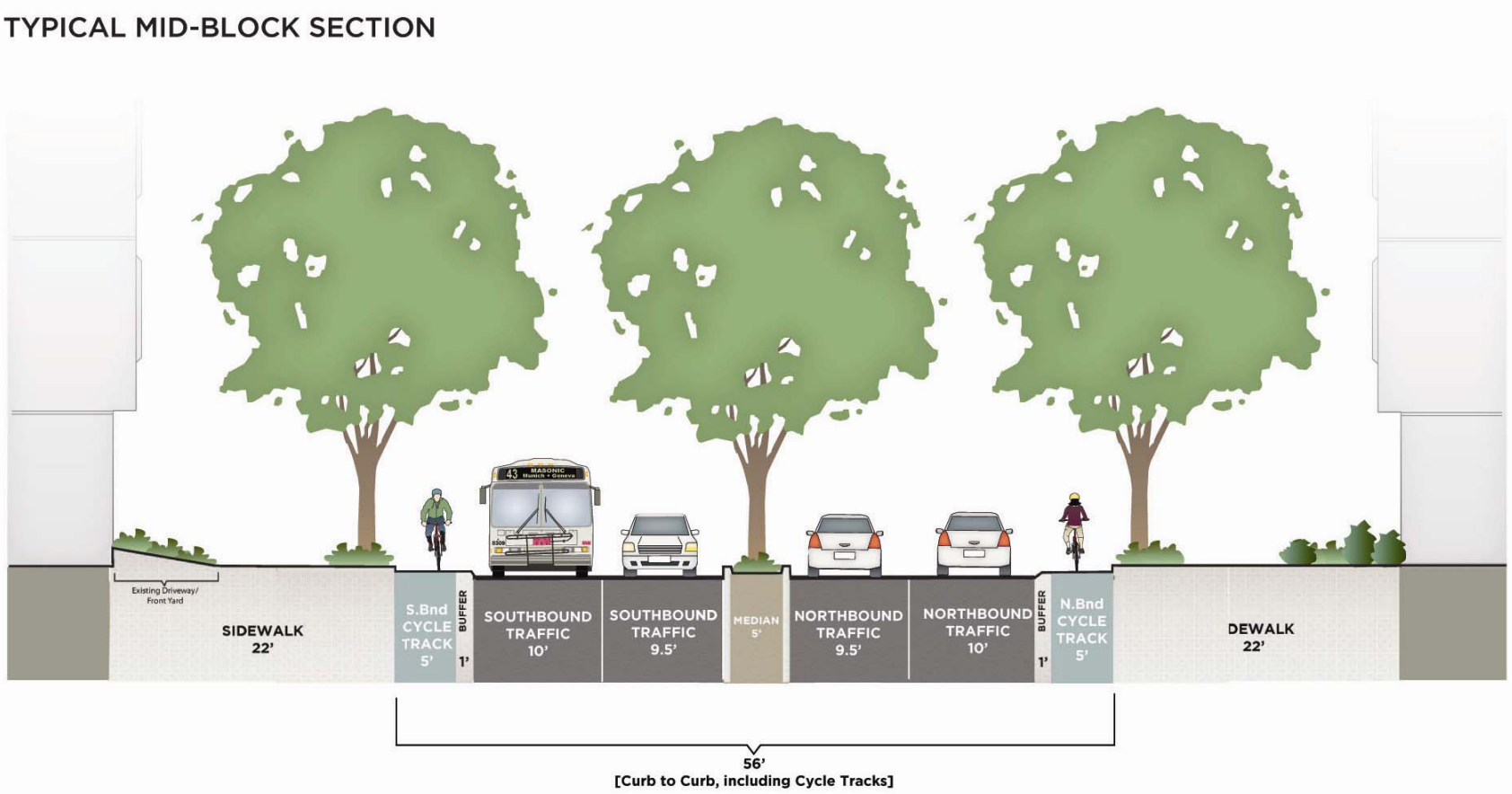
Workshop 2: Option B

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



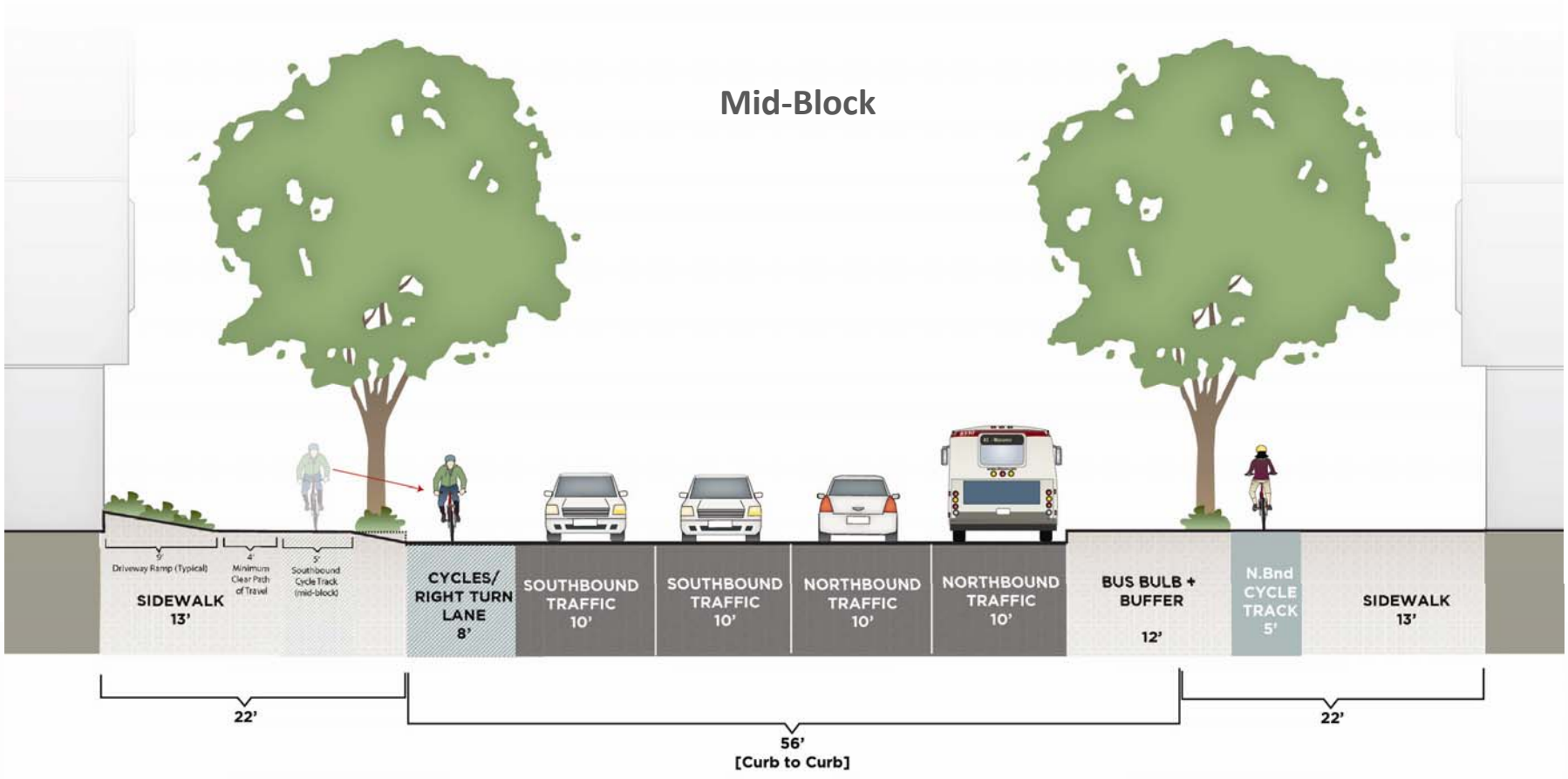
Workshop 2: Option C

No parking, 4 traffic lanes, cycle track



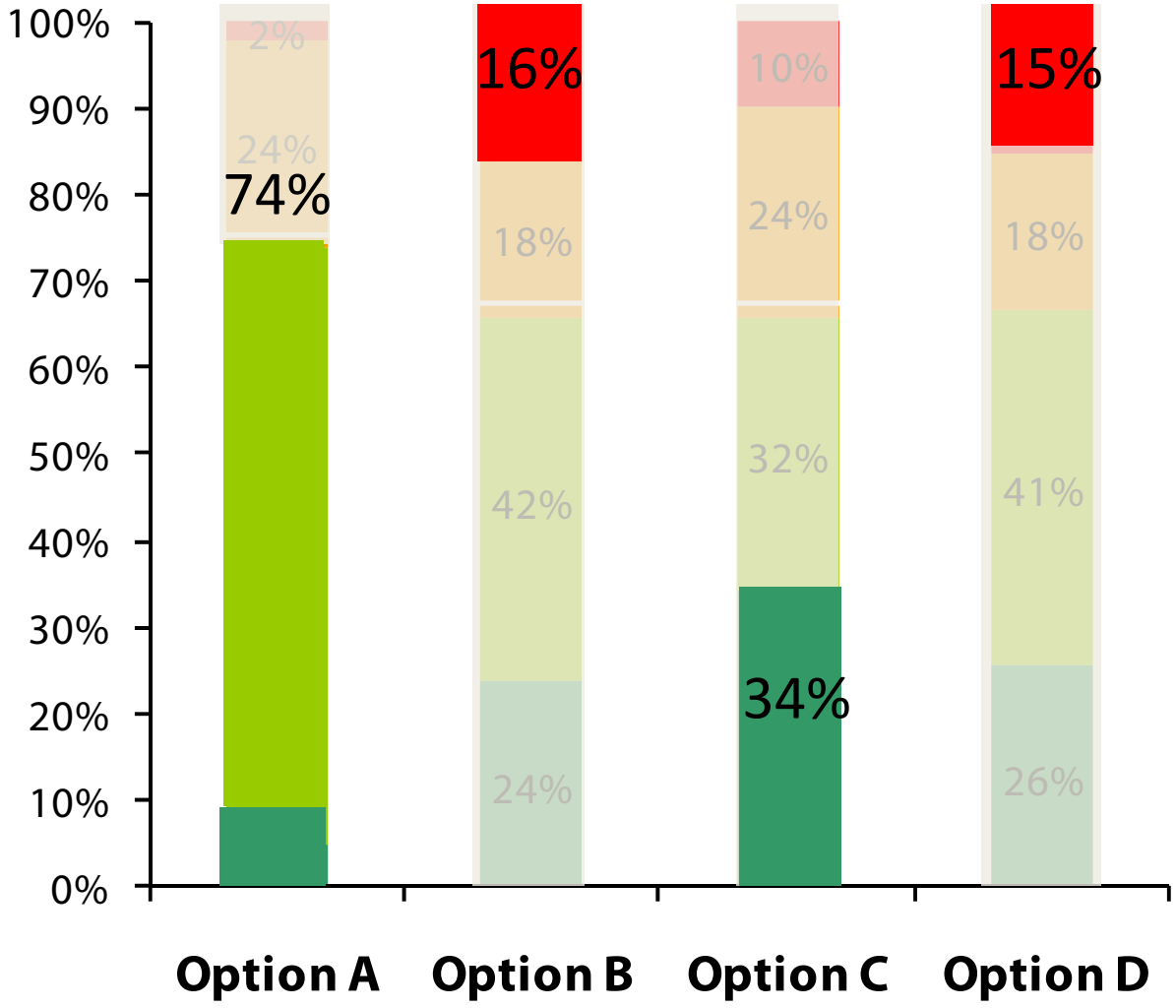
Workshop 2: Option D

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



Workshop 2 Survey Results

Overall Rankings



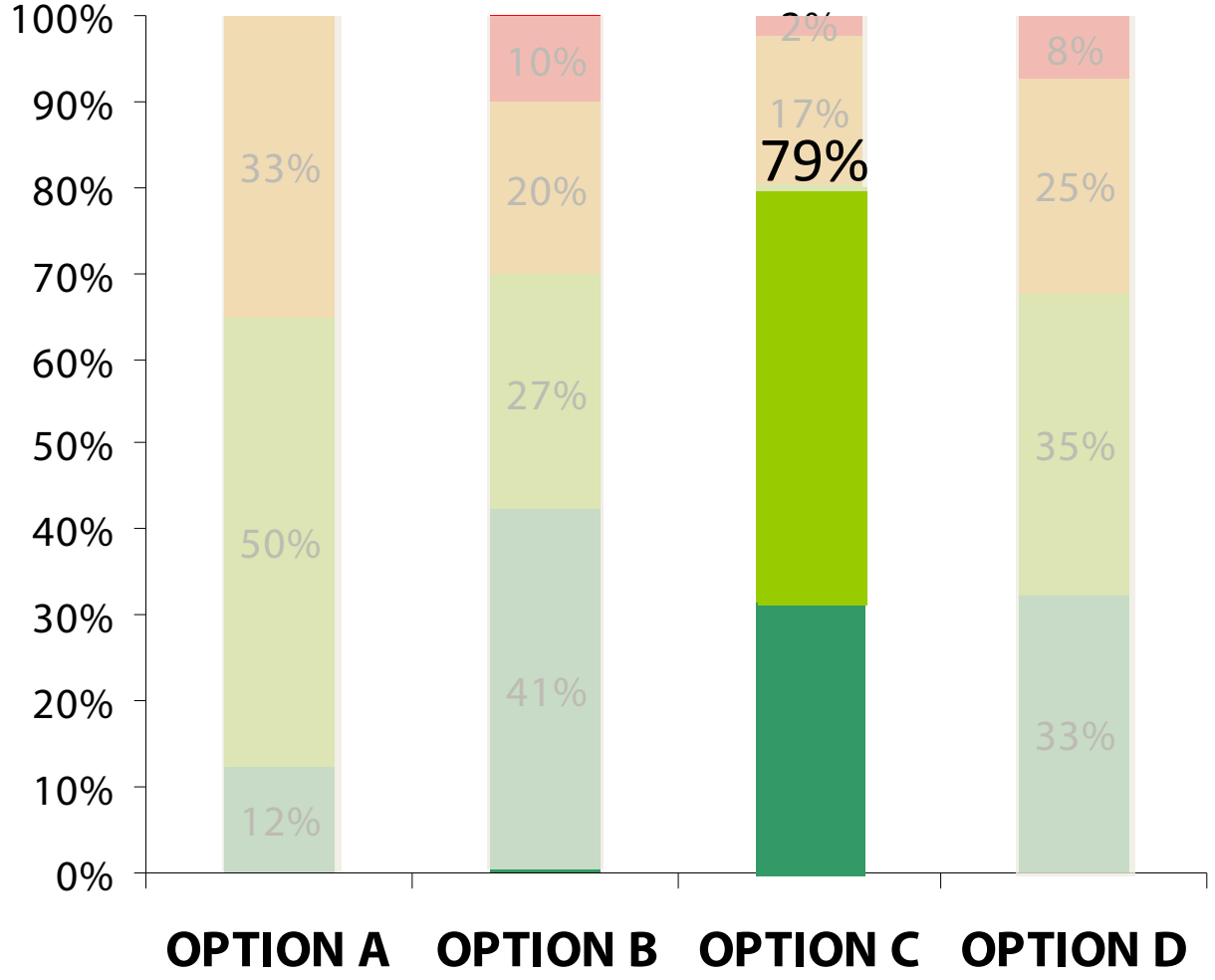
Option A was the most liked

Option C was the most strongly liked option.

Options B & D were the most strongly disliked

Workshop 2 Survey Results

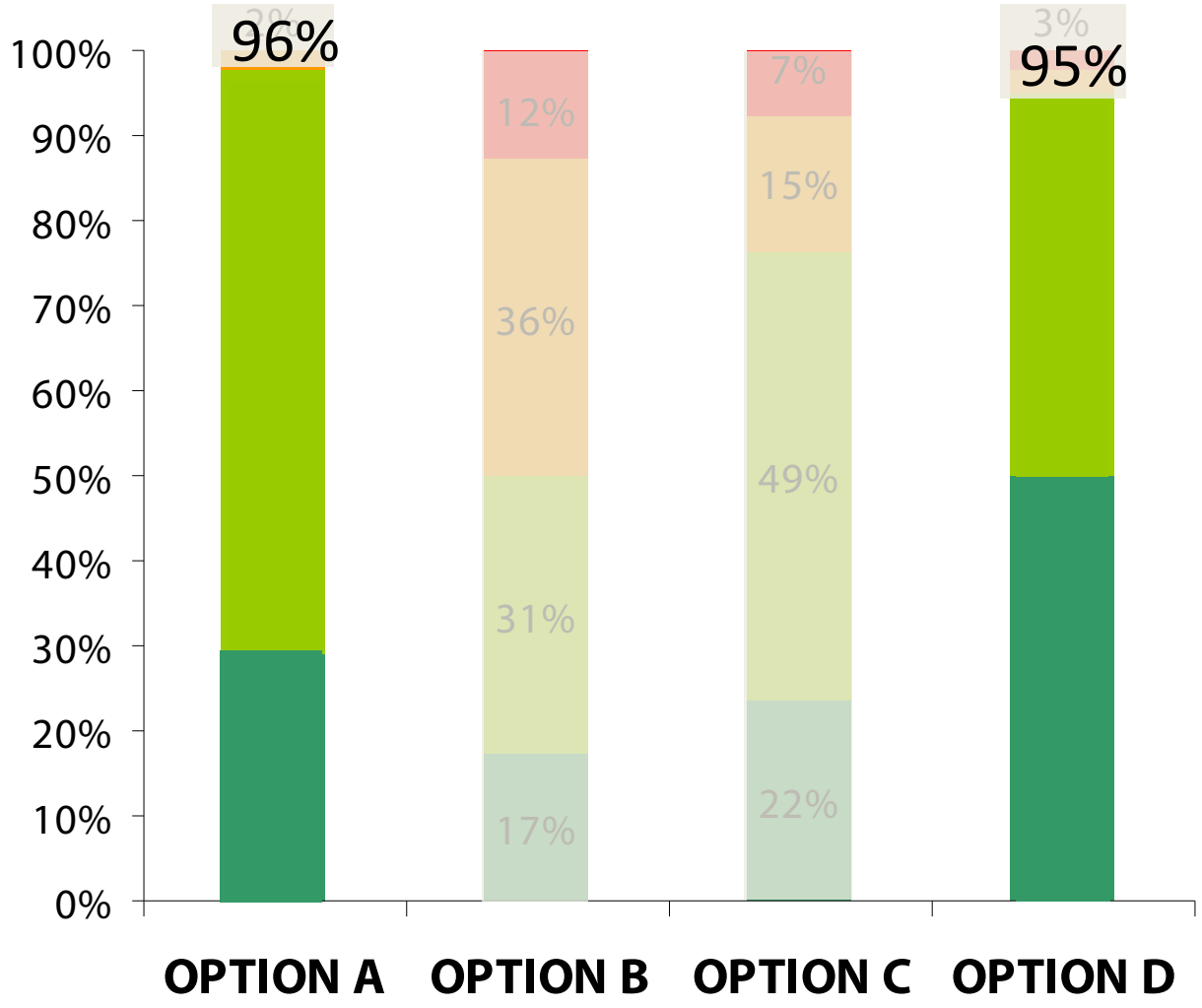
Roadway with Median Configuration



Option C shows that four traffic lanes calmed with a median is preferred.

Workshop 2 Survey Results

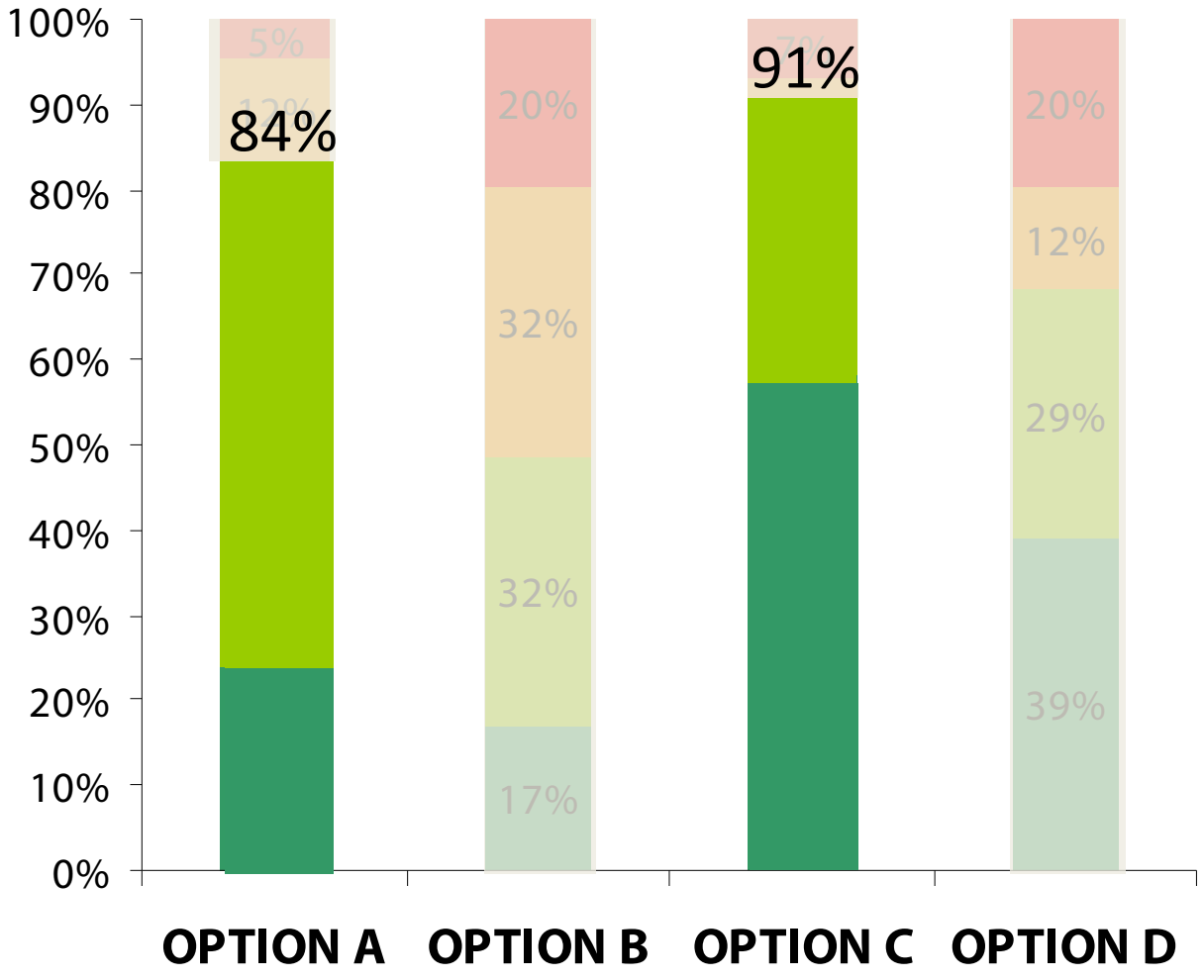
Transit Facilities



Options A and D show that Bus bulbs with inside bike lanes was favored

Workshop 2 Survey Results

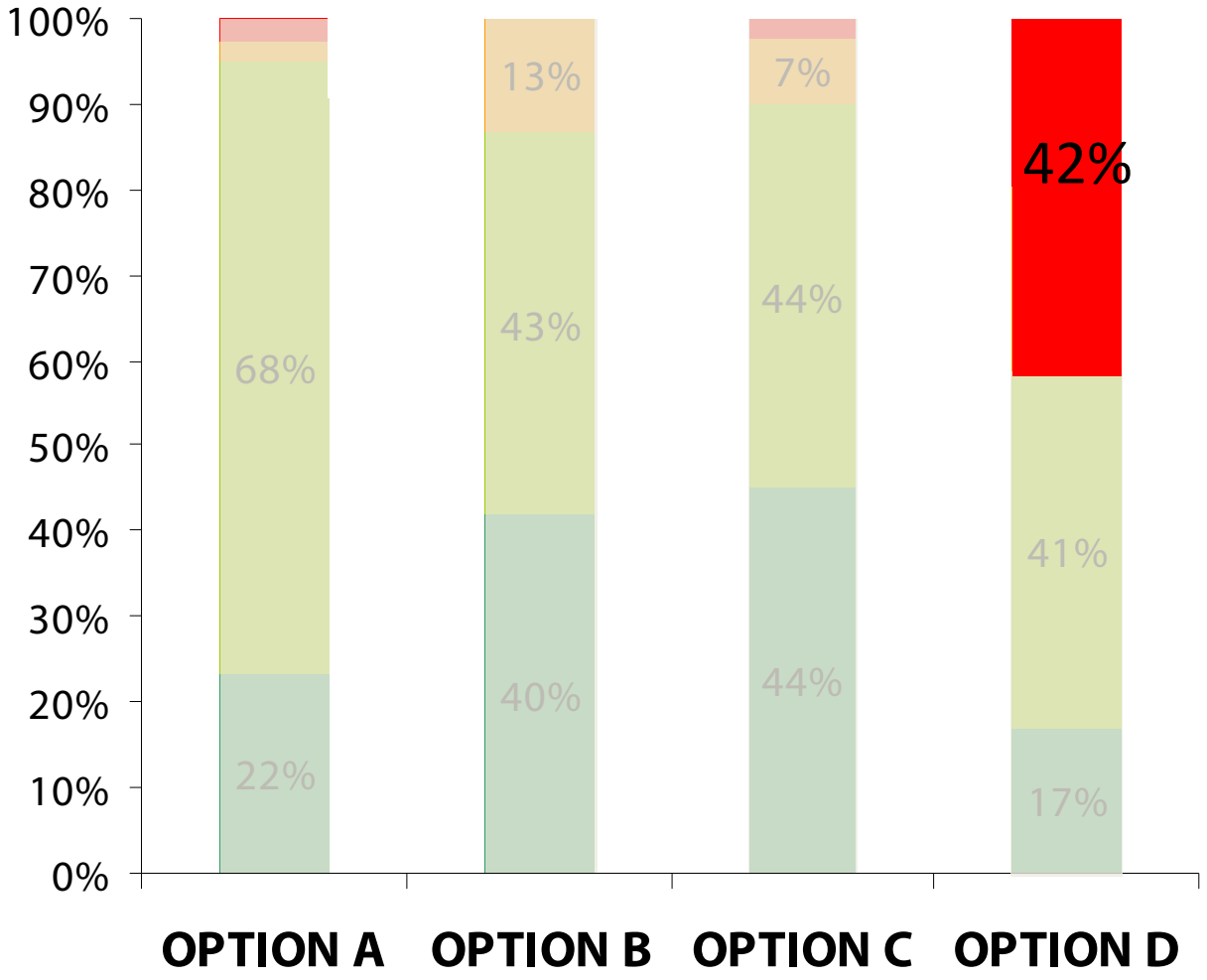
Bike Facility Design



Option A and C reflect permanent bike lanes or a cycle track in existing parking/tow-away lane is preferred.

Workshop 2 Survey Results

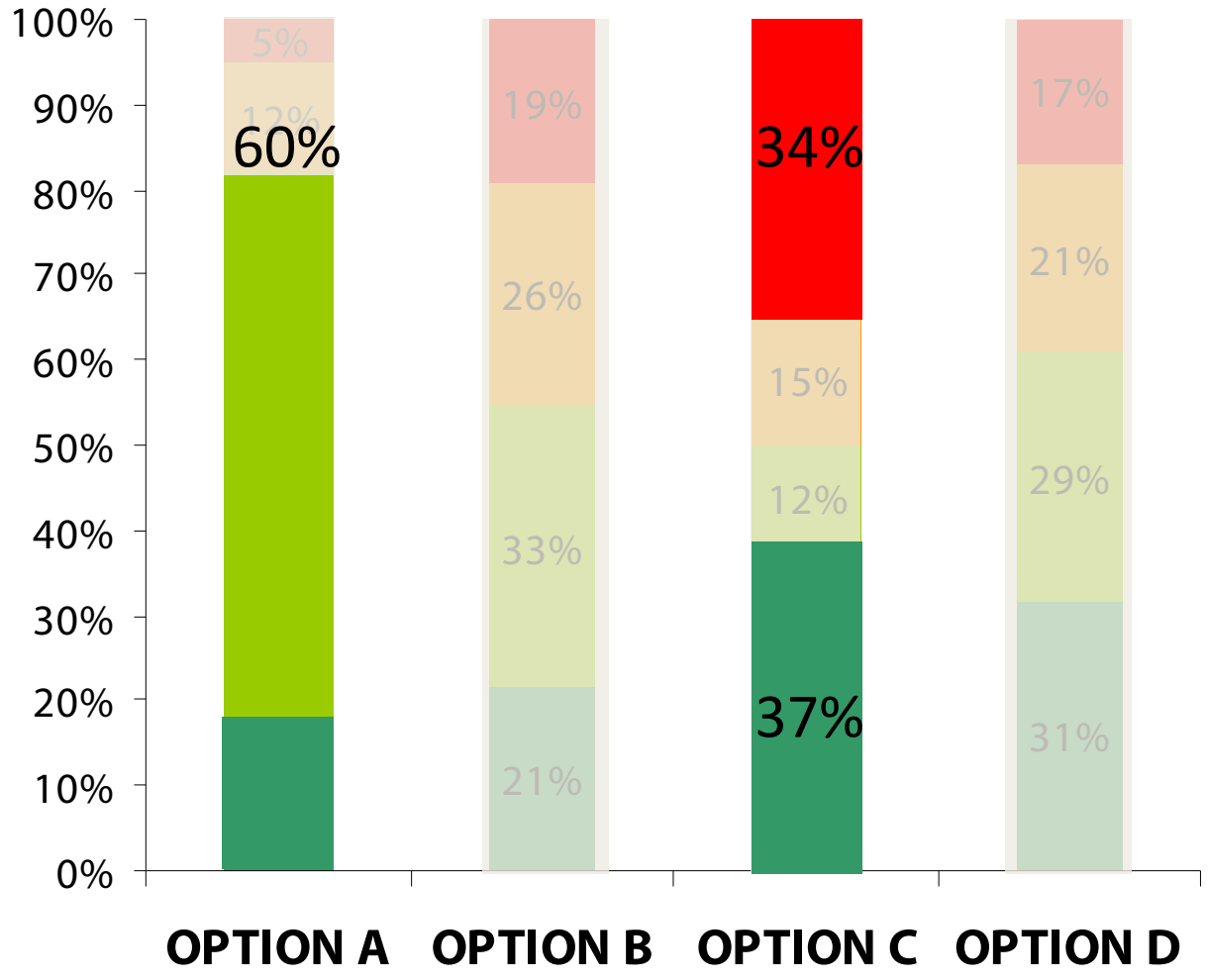
Sidewalk Design



Option D reflects that a cycle track on the existing sidewalk was seen by many as a degradation of the pedestrian environment.

Workshop 2 Survey Results

Parking

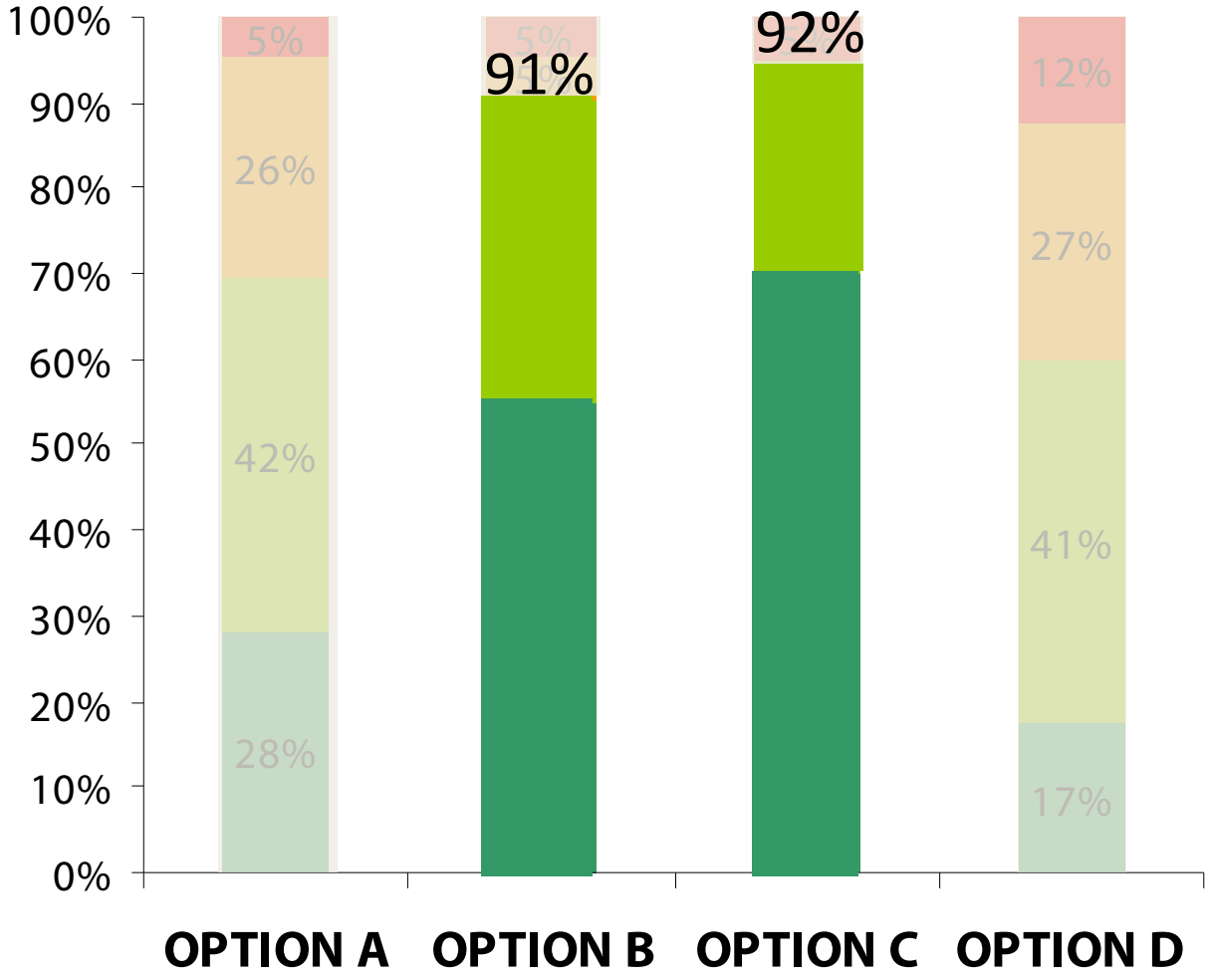


Option A (east side parking) was seen as a compromise by most;

Option C (no parking) was the most polarizing

Workshop 2 Survey Results

Median Street Trees



Option B and C reveal that adding street trees via a landscape median is preferred.

Community Workshop 3 Proposals

The Gateway

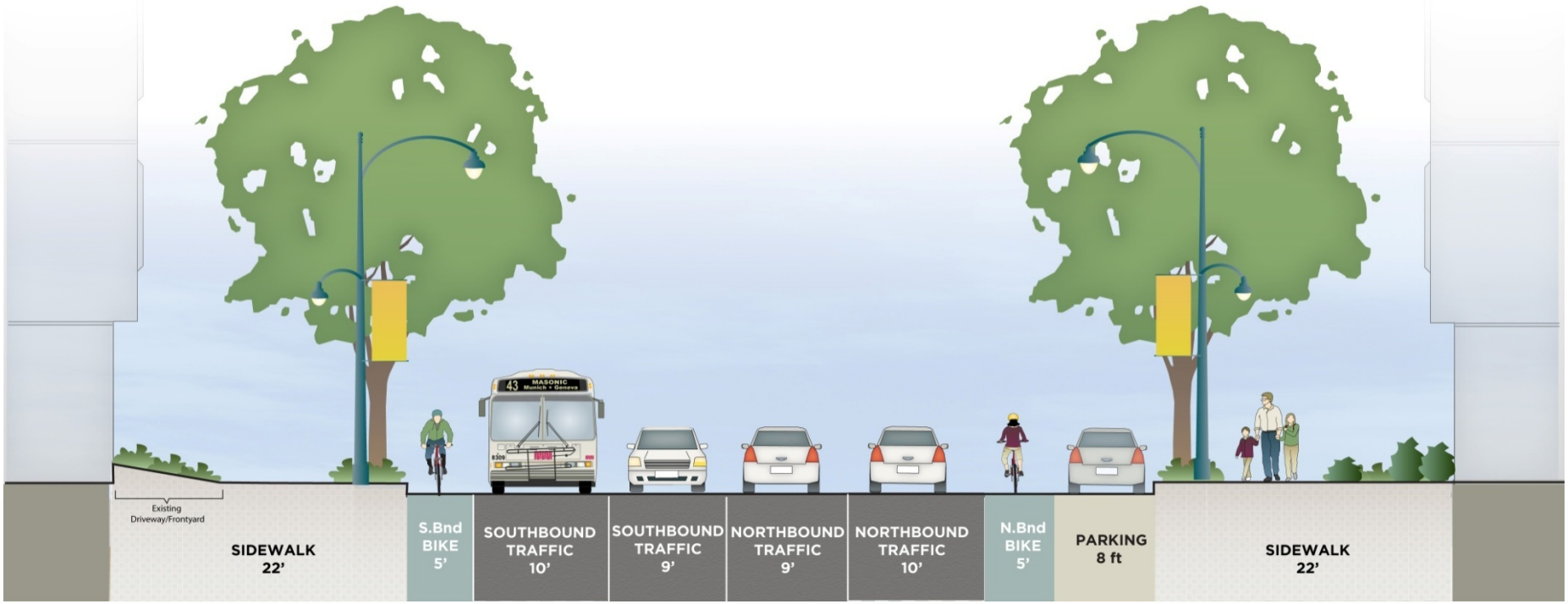
is a *hybrid of Option A with added traffic calming elements*

The Boulevard

is a *hybrid of Option C with added traffic calming elements*

The Gateway

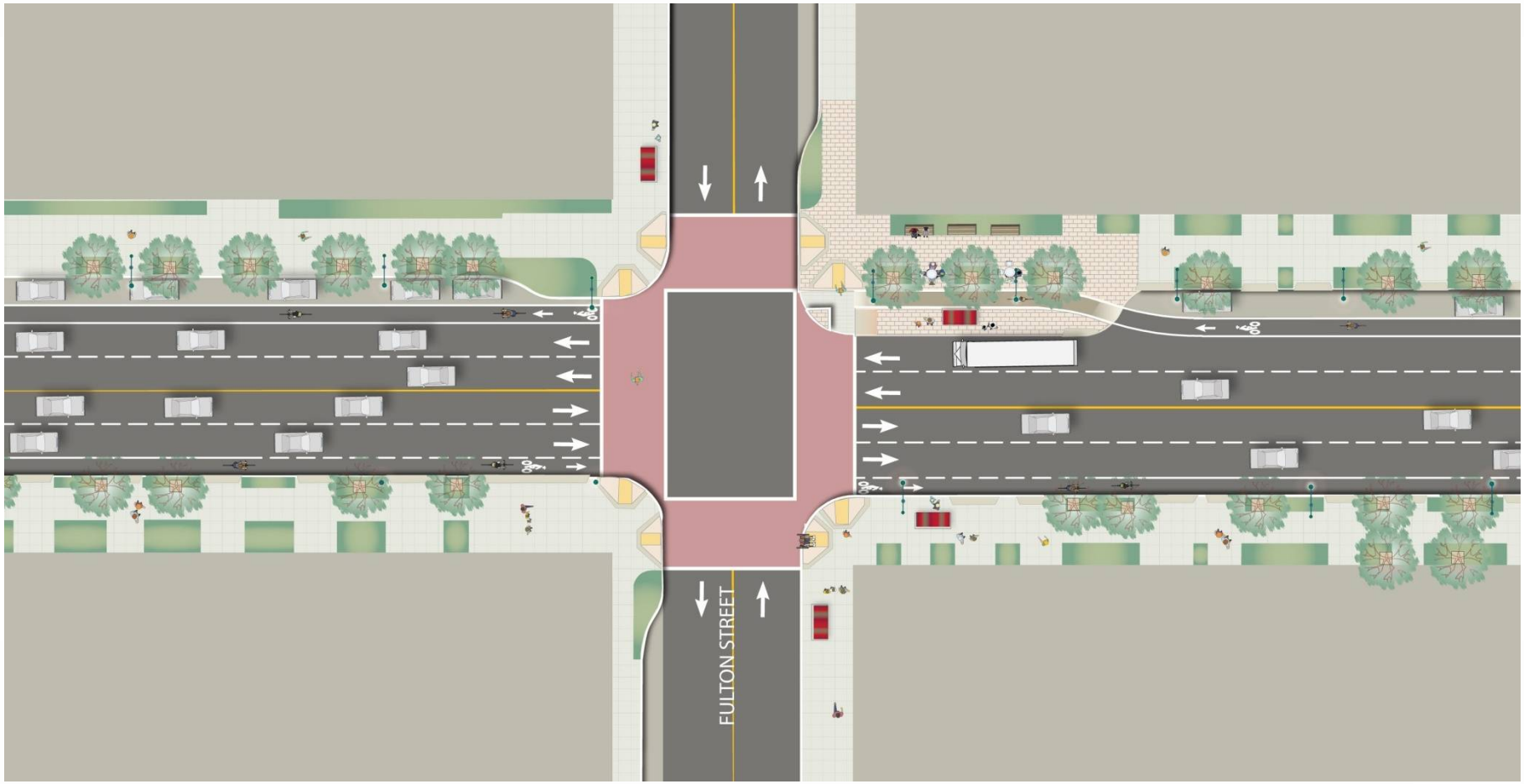
Section Rendering



East-side parking, 4 traffic lanes, bike lanes, median at key intersections

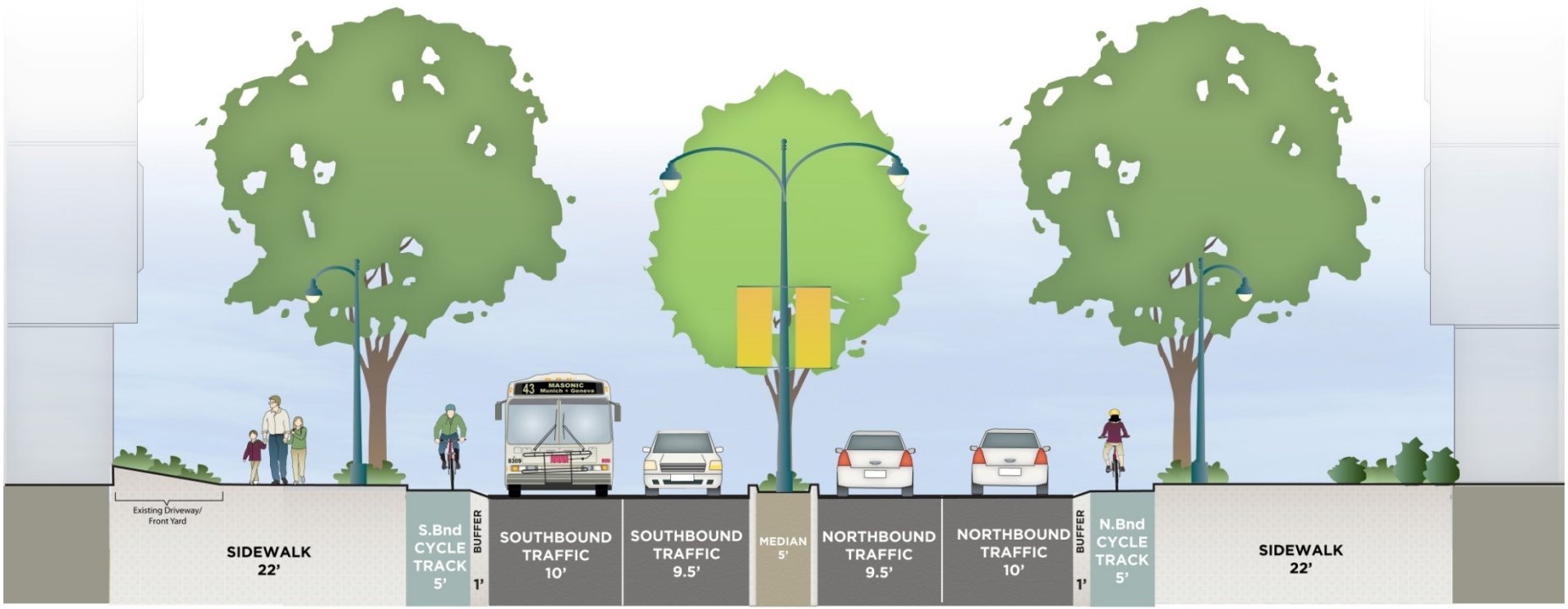
The Gateway

Plan View Rendering



The Boulevard

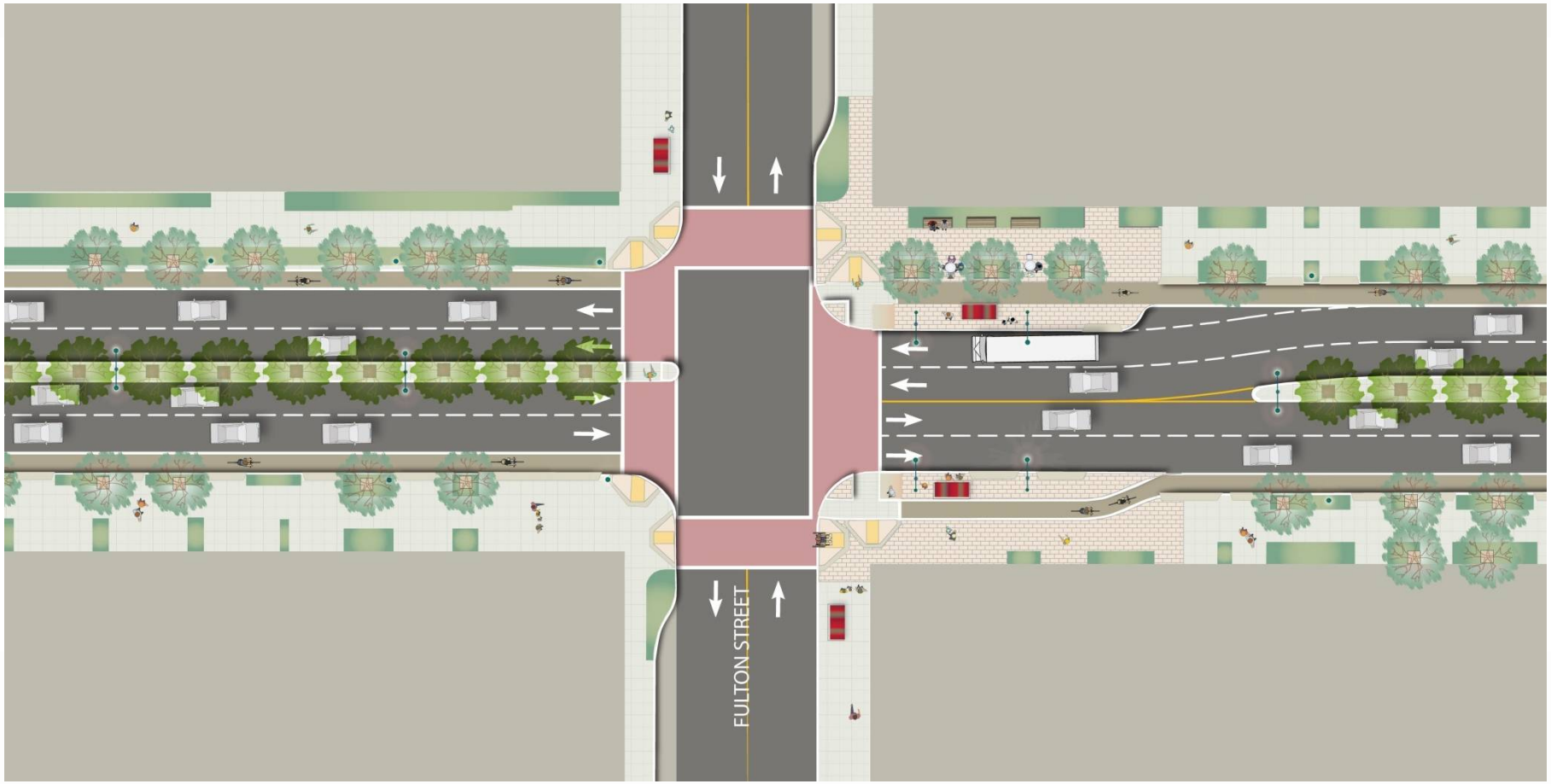
Section Rendering



No parking, 4 lanes, cycle track, median

The Boulevard

Plan View Rendering



Masonic Ave

Bus Bulb Plaza Illustration

Comparison of Proposals:

The Gateway

Features:

- Pedestrian refuges **at median** intersections
- **5** Bus bulb plazas [primarily on the east side]
- Parking on eastside will be retained at all times
- **100** combination ped/roadway light fixtures
- **120** new street trees
- **34,000 sf** additional sidewalk greening
- **10,000 sf** permeable paving
- **5'** wide bike lane
- Upgraded traffic signals
- Proposed new traffic signal at Ewing
- **11,000 sf** plaza and public art space at Geary
- Estimated Cost: **+/-$15 Million**
- Construction Duration: **6-12 Months**

The Boulevard

Features:

- Pedestrian refuges at **all** intersections
- **8** Bus bulb plazas [east and west side]
- **No parking spaces retained** on Masonic
- **125** roadway and pedestrian light fixtures
- **200** new street trees
- **49,000 sf** additional sidewalk greening
- **12,000 sf** permeable paving
- **6'** wide elevated cycle track
- Upgraded traffic signals
- Proposed new traffic signal at Ewing
- **11,000 sf** plaza and public art space at Geary
- Estimated Cost **+/- $20 Million**
- Construction Duration: **12-18 Months**

Near Term Improvements:

- **Radar Speed Signs**
  - Two signs installed between Golden Gate Av. and McAllister St.
- **25 MPH Speed Limit Signs**
  - Three additional signs installed on the west side of Masonic
- **Signal Upgrade at Masonic and Fulton**
  - Upgraded all 8” traffic signals to 12” signals for all approaches
- **Signal Timing Adjustments**
  - Analyzed signal timing along Masonic and expect to be implemented by the end of November

Streetscaping Amenities

Sidewalk Plantings,
Stormwater Planters,
Landscaped Medians,
Plazas andPublic Art,
Site Furnishings and Lighting

Streetscaping Amenities

Sidewalk Plantings

Streetscaping Amenities

Stormwater Planters

Stormwater Planters:

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

Streetscaping Amenities

Landscaped Medians

Streetscaping Amenities

Site Furnishings and Street Lighting

Embarcadero Tear Drop Fixture

Lumec Post Top Fixture

Streetscaping Amenities

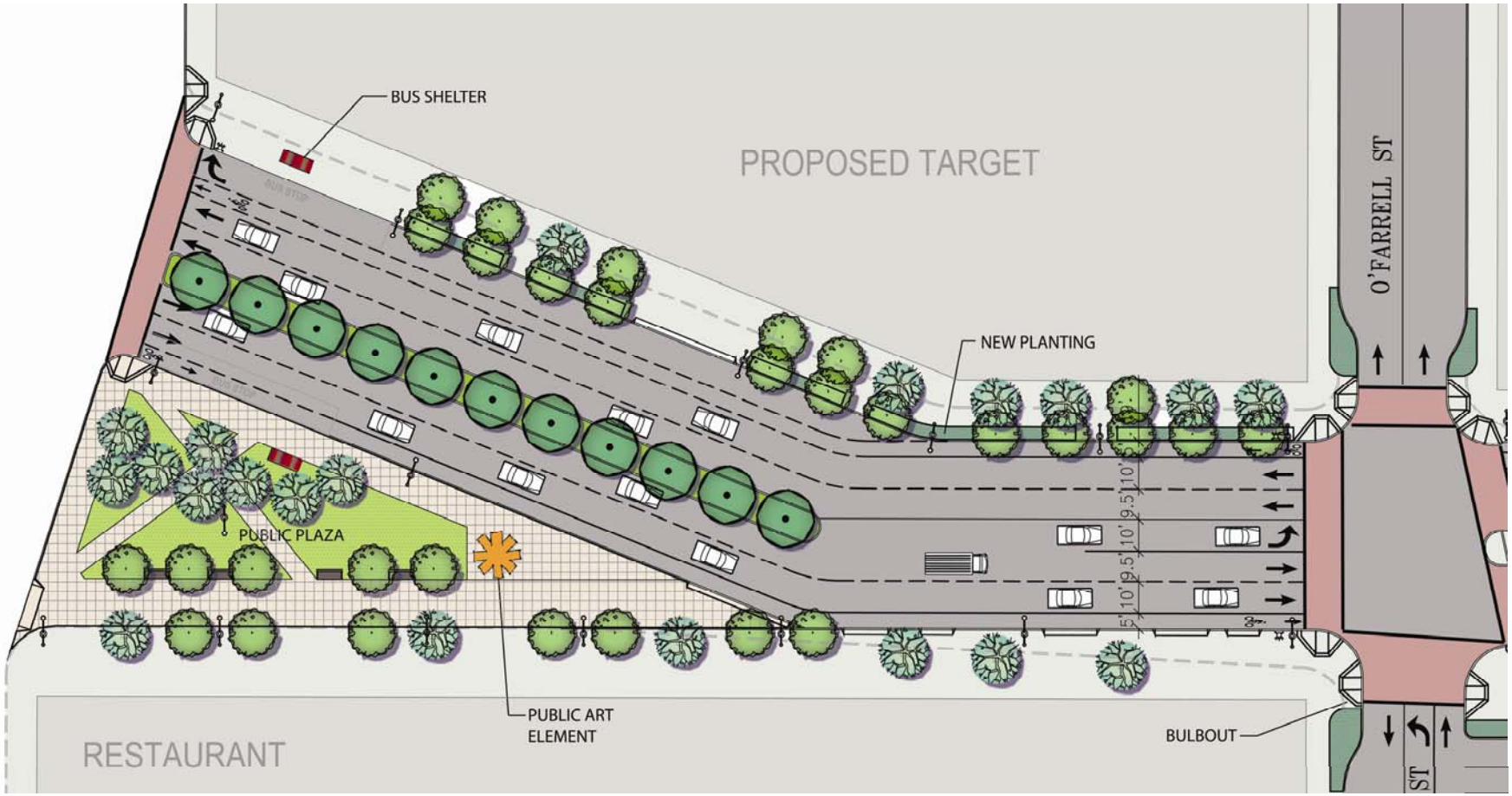
Plaza and Public Art

Leland Avenue

Pavement to Parks Program

Streetscaping Amenities

Geary and Masonic - Plaza and Public Art Space



Next Steps

Please be sure to ***leave your contact information*** on the sign in sheet if you would like to be informed of the upcoming events in the project, including:

- **Workshop 3 survey results** – MTA website in Nov.
- **Final report and selected option** – End of the year
- **Environmental review**
- **Policy & board approval**
- **Obtain funding**
- **Design & construction**

Break Out Time

Reviewing Proposals & Survey

The Gateway

The Boulevard

Discussion

Questions & Answers

The Gateway

The Boulevard

Thank You

for attending and for your participation!