

Masonic Ave Street Design Study

Community Workshop 3

September 30, 2010



SAN FRANCISCO
PLANNING DEPARTMENT

SFMTA

Municipal Transportation Agency

Introduction

SF Municipal Transportation Agency

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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

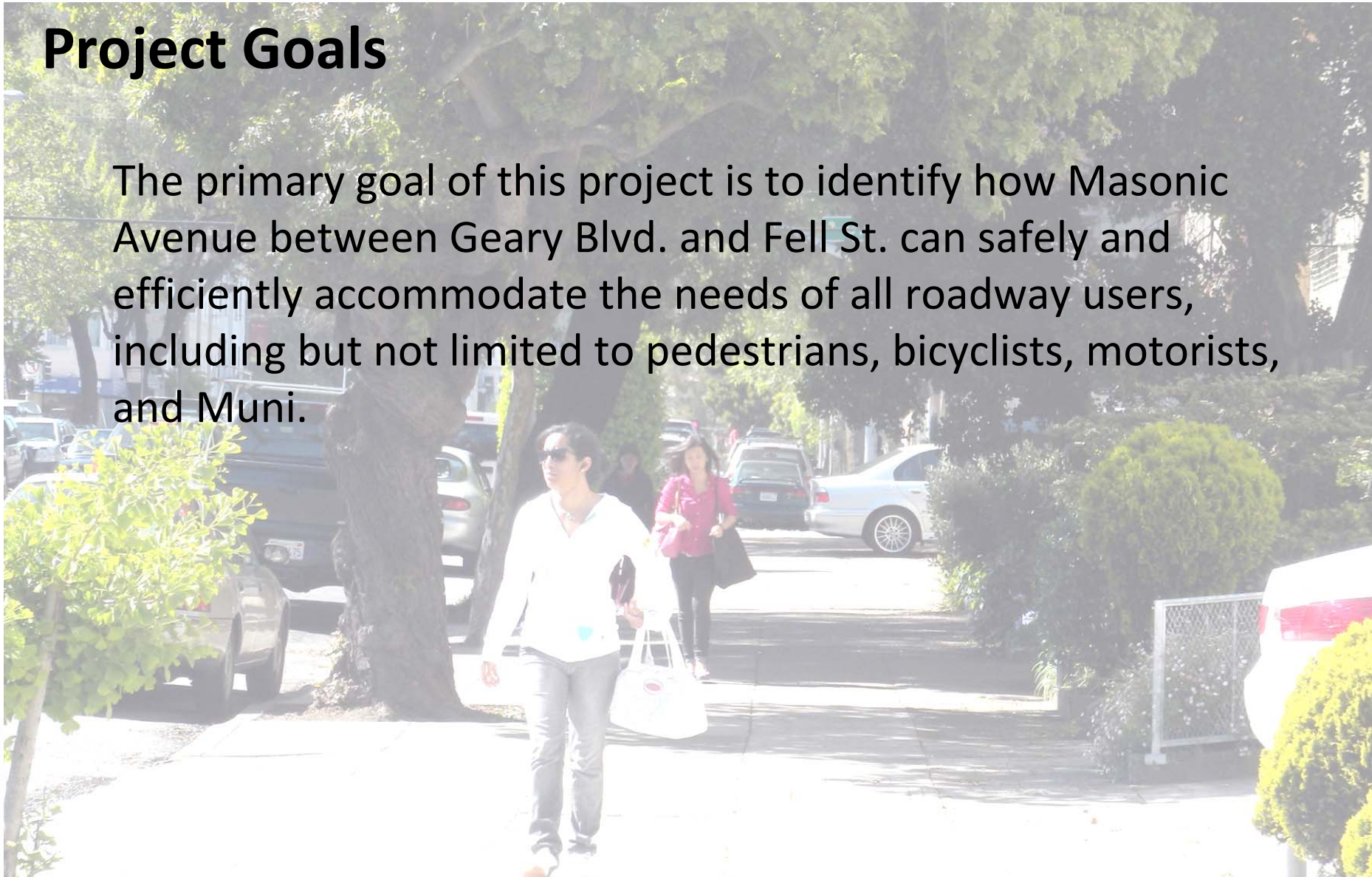
Masonic Avenue from
Fell Street to Geary Blvd.



Courtesy of UC Berkeley

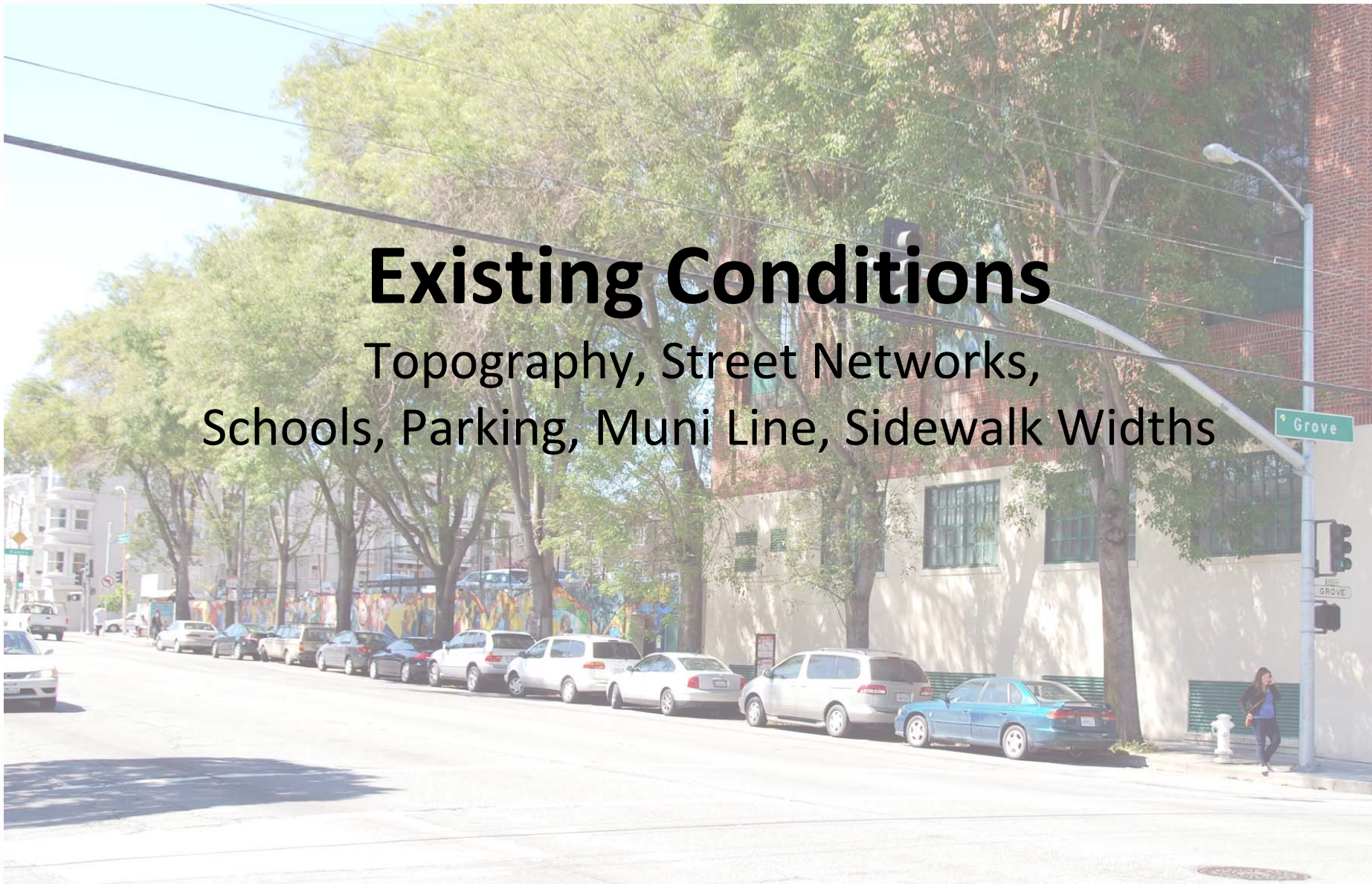
Project Goals

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.

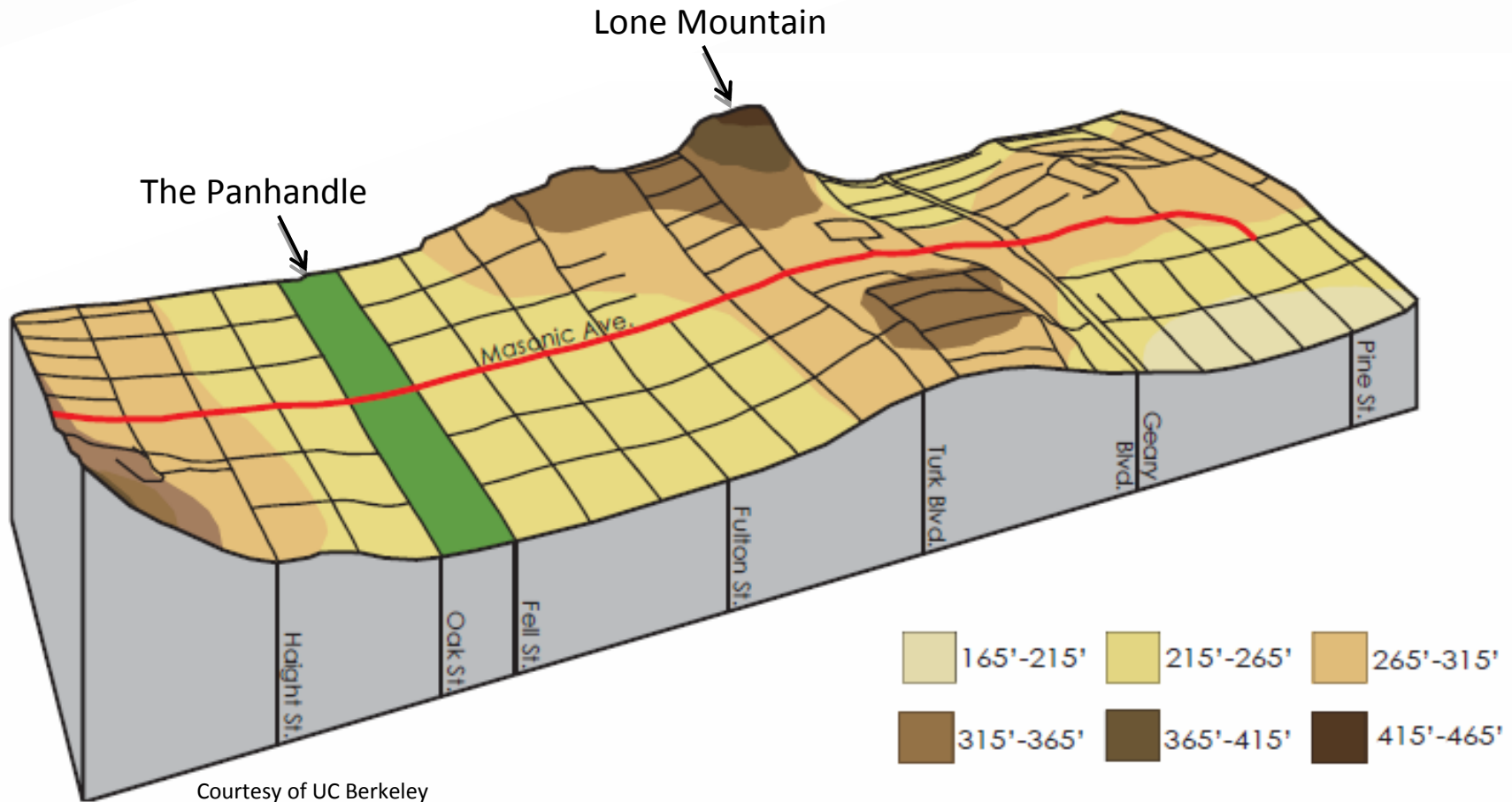


Existing Conditions

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



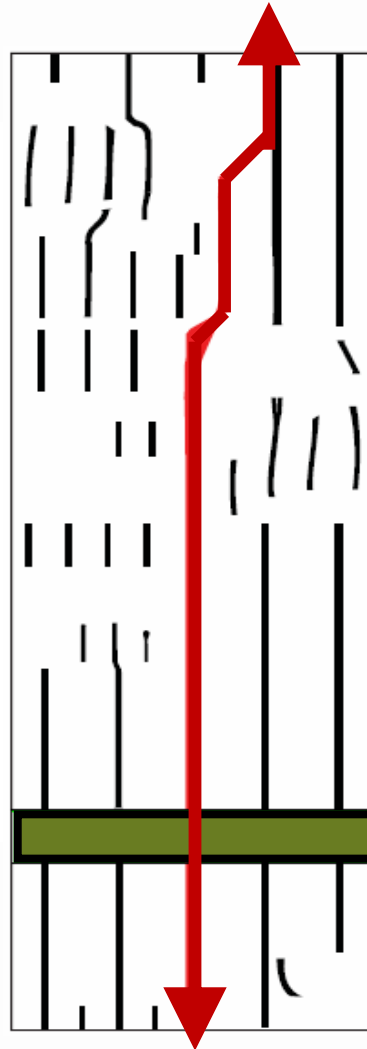
Existing Conditions – Topography



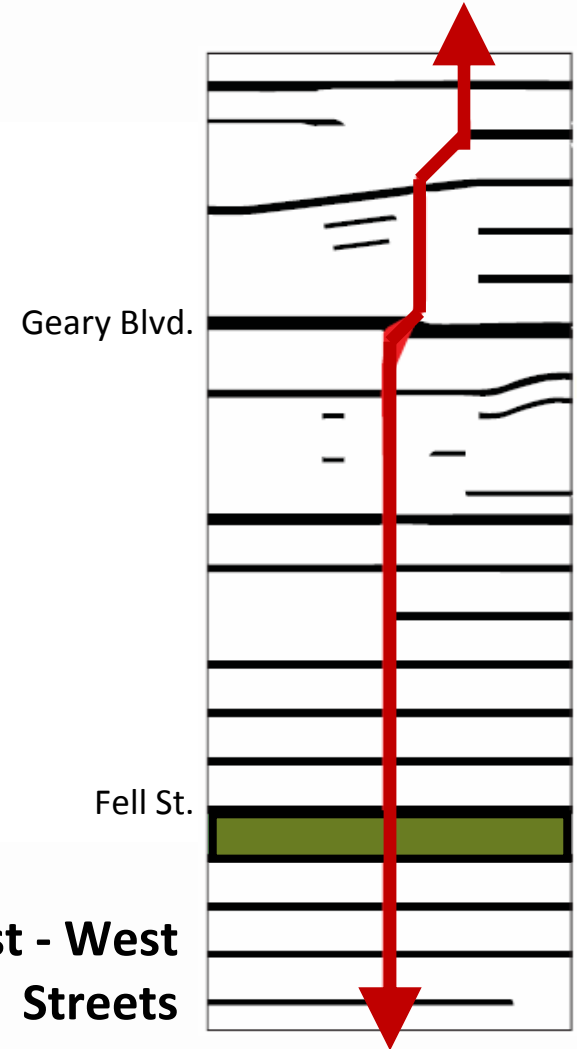
Existing Conditions - Street Networks

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

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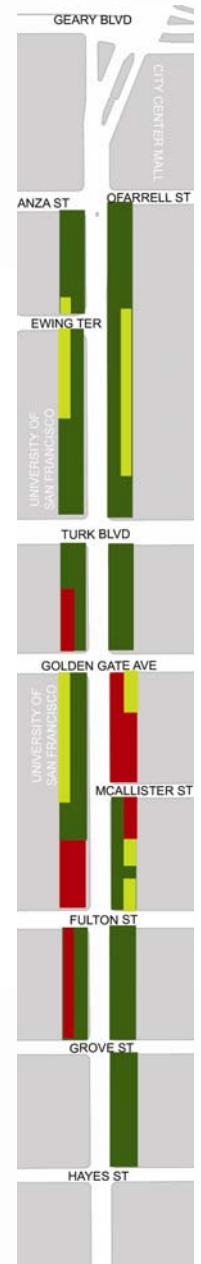
Sidewalk Plantings

+



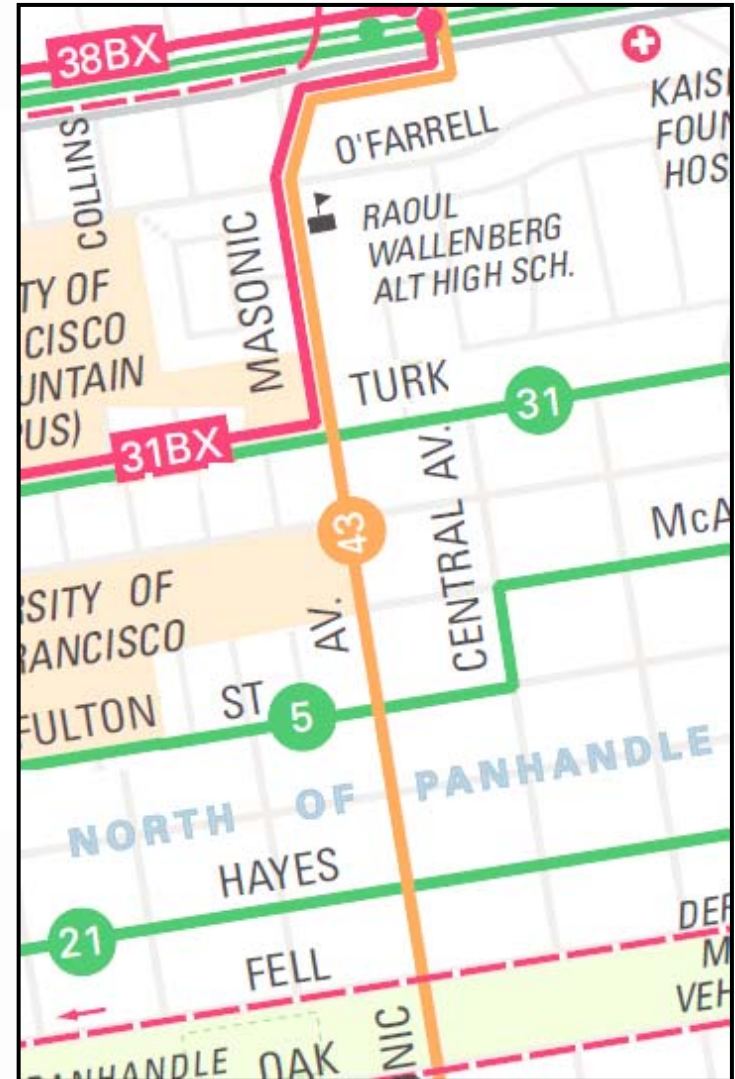
Mature Street Trees

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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 – Parking

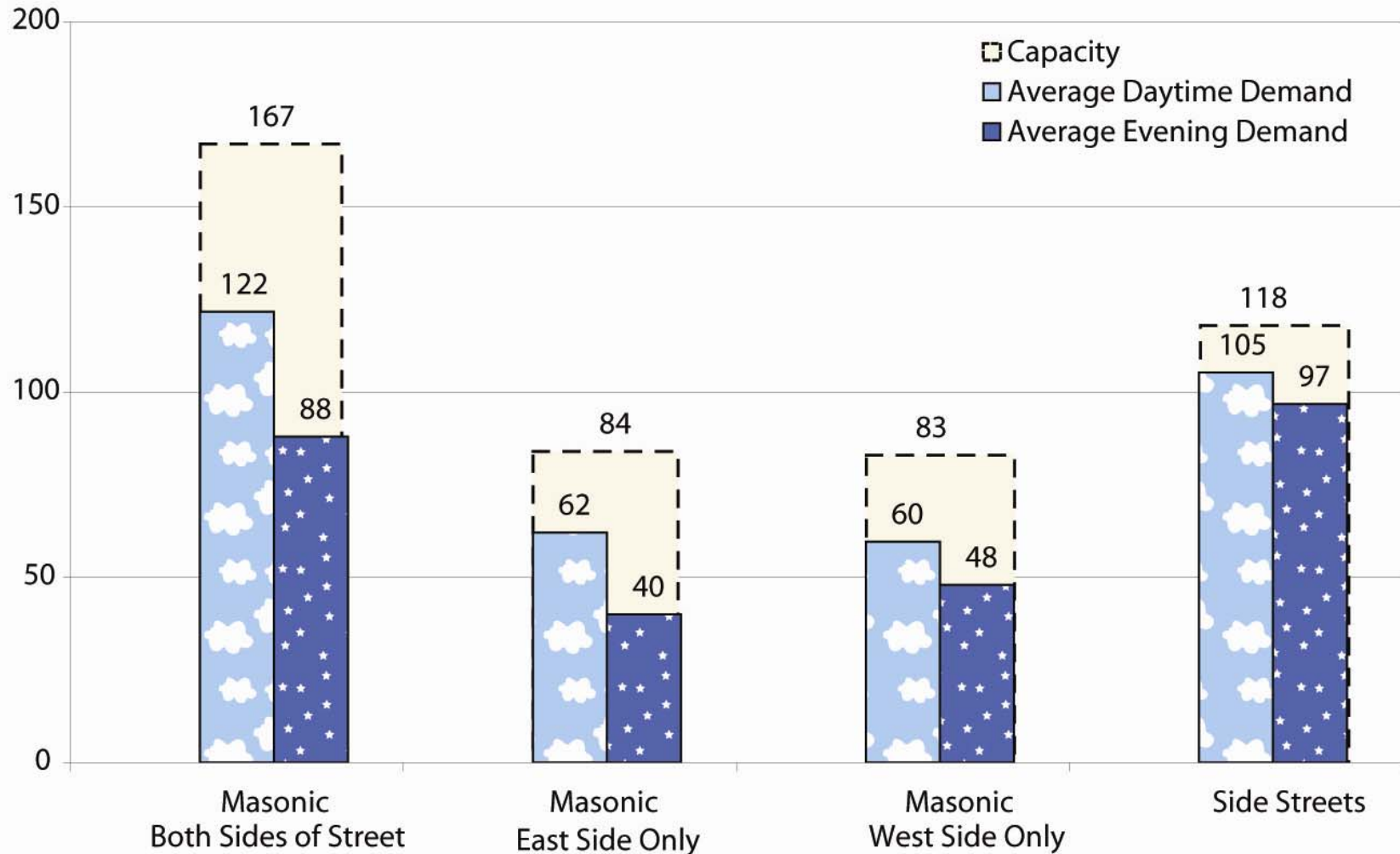
167 parking spaces total



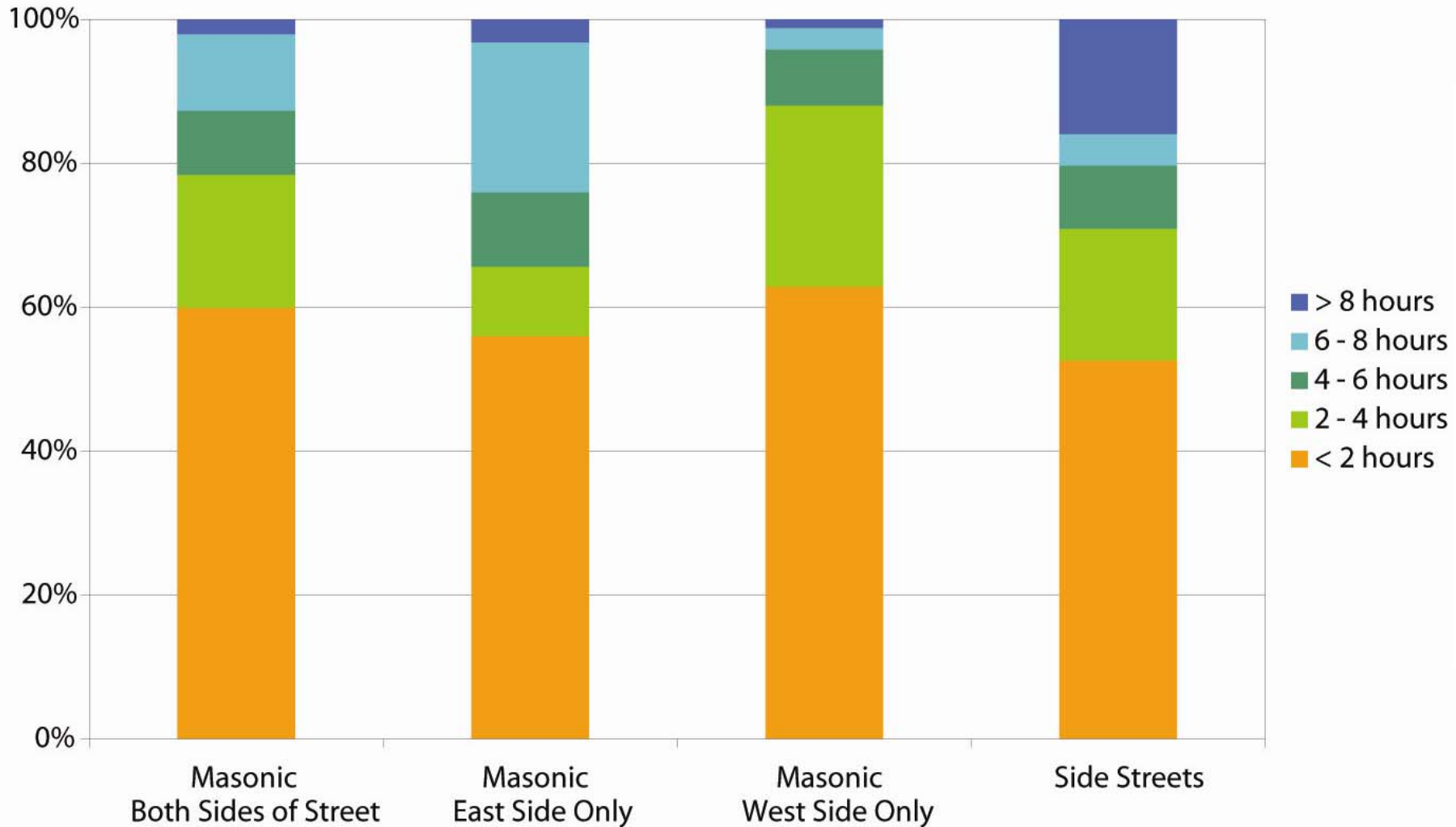
Peak Tow-Away Parking Lane



Existing Conditions – Parking Occupancy

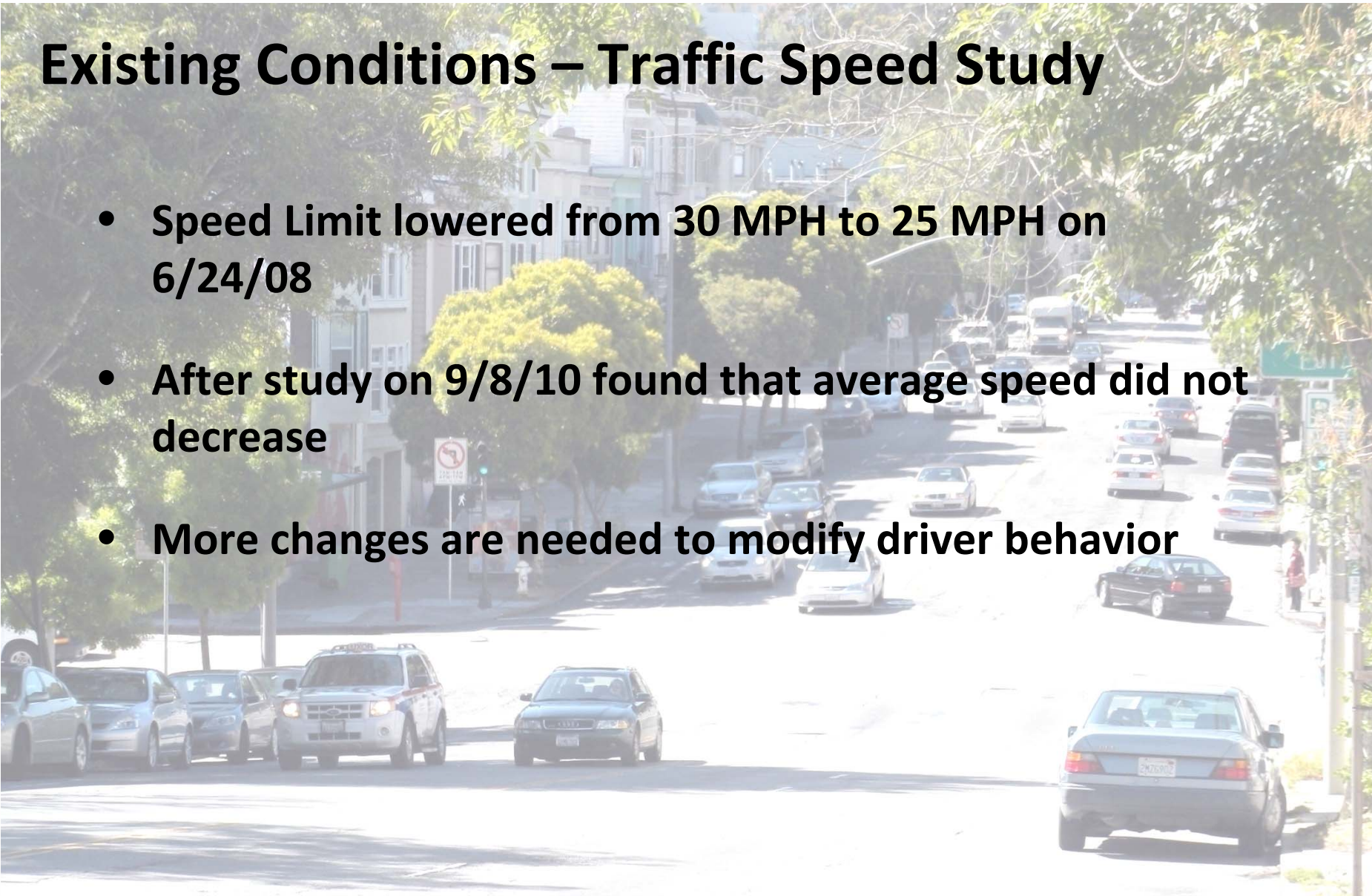


Existing Conditions – Daytime Parking Duration



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



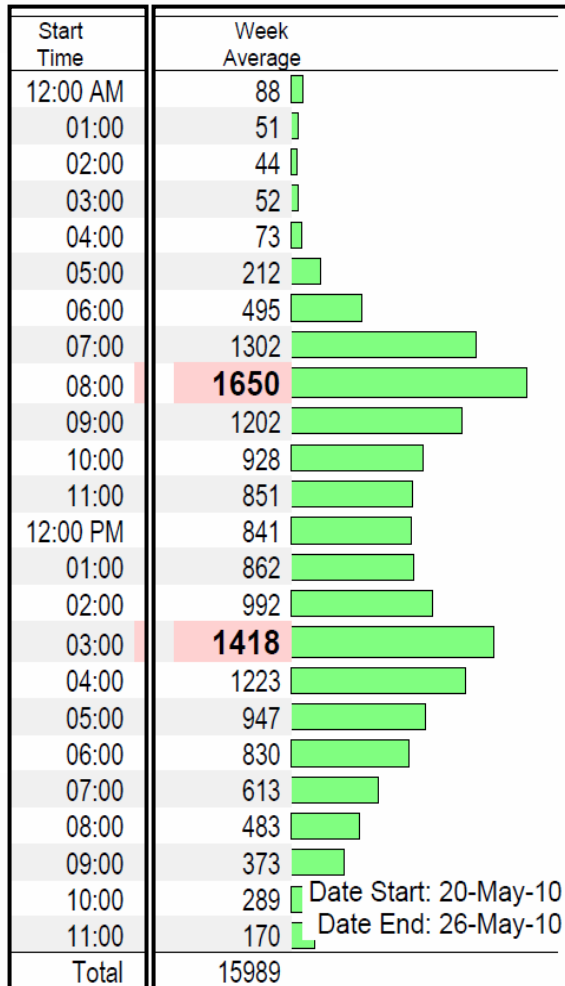
Existing Conditions – Intersection Collision Summary

2004-2009 Top 10 Collision Locations

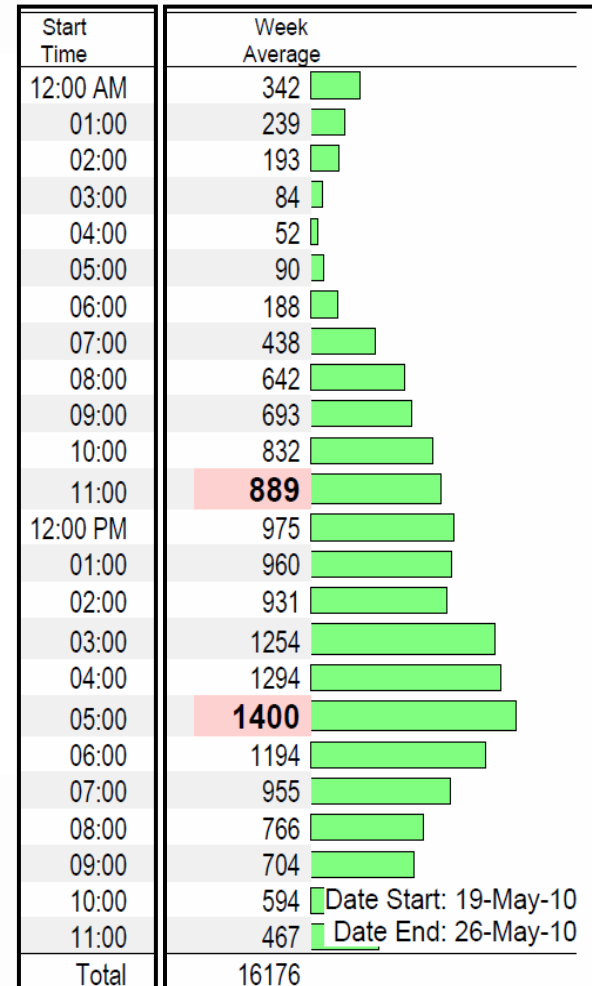
<u>Rank</u>	<u>Intersection</u>	<u>Total Collisions</u>
1	Masonic Avenue at Ofarrell Street	19
2	Masonic Avenue at Fell Street	19
3	Masonic Avenue at Hayes Street	15
4	Masonic Avenue at Fulton Street	14
5	Oak Street at Masonic Avenue	14
6	Turk Boulevard at Masonic Avenue	11
7	Masonic Avenue at Grove 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



Southbound at Fulton



Existing Conditions – PM Peak Southbound

Traffic Modeling of Signal Delay

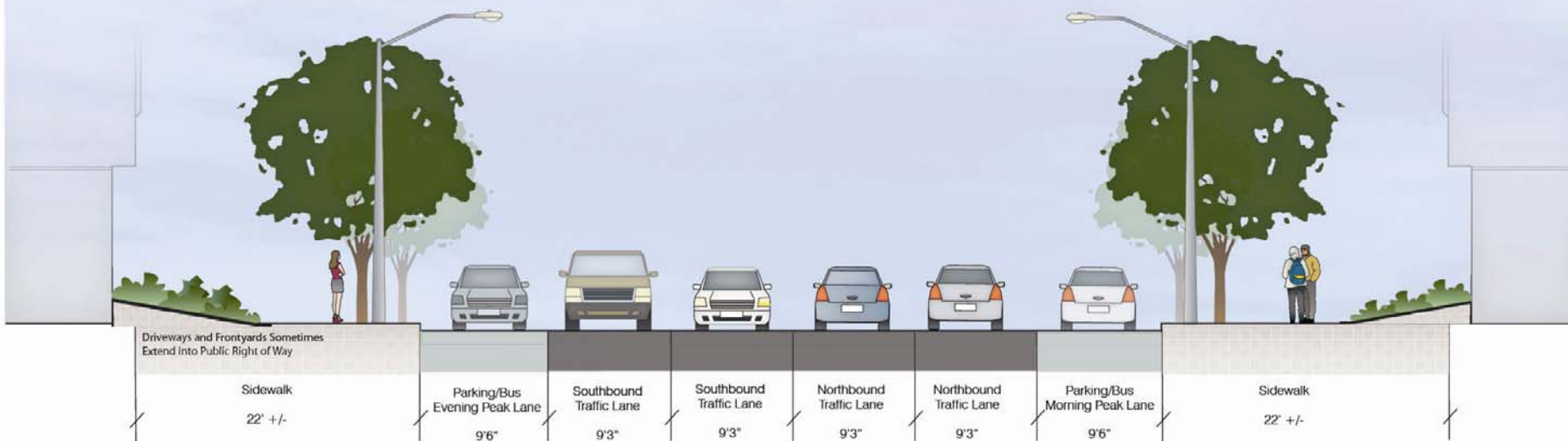
Intersection	Existing 3 Lanes	Proposed - 2 Lanes
	SB Delay (sec)	SB Delay (sec)
Masonic & Geary	29	53
Masonic & Anza/O'Farrell (1 LT lane)	9	9
Masonic & Turk	5	15
Masonic & Golden Gate	4	5
Masonic & Fulton	13	17
Masonic & Grove	2	3
Masonic & Hayes	4	9
Masonic & Fell (2 RT lanes)	35	31
Masonic & Oak (1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



Existing Conditions – Typical Roadway Section

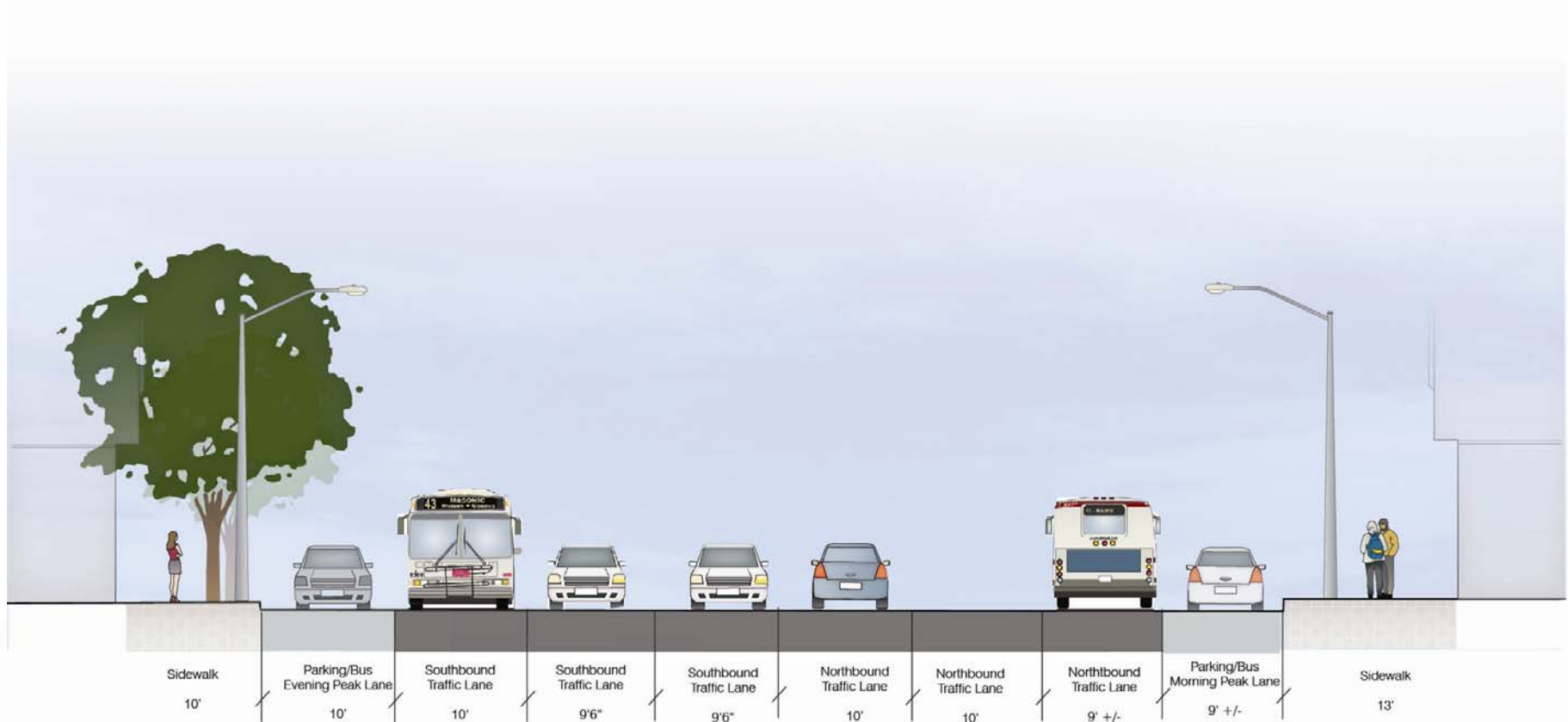
Masonic Ave between Ewing and Fulton

- 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

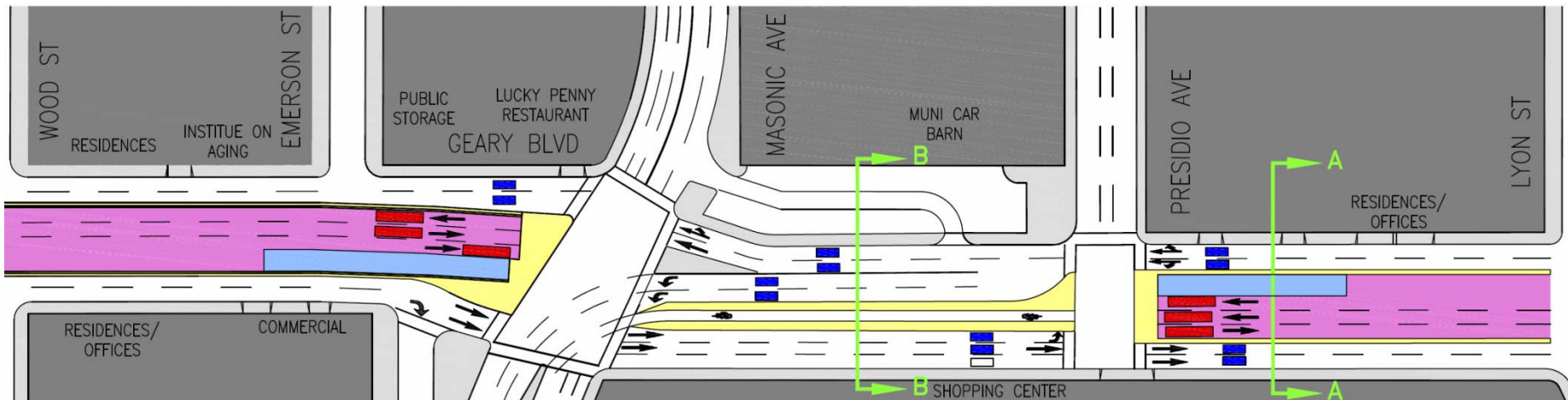
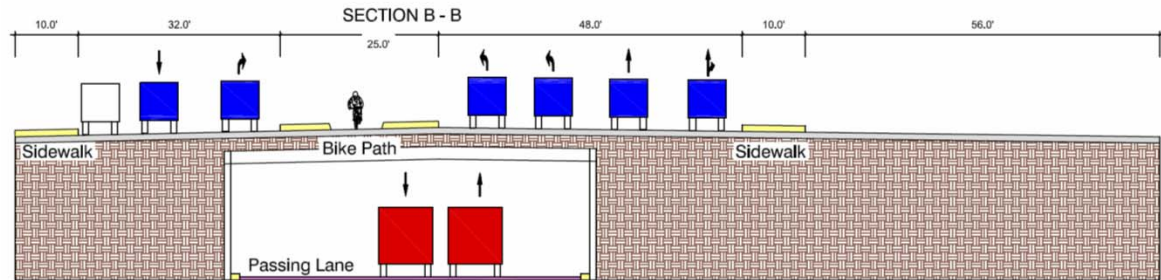


Upcoming Major Projects – Geary BRT

- 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



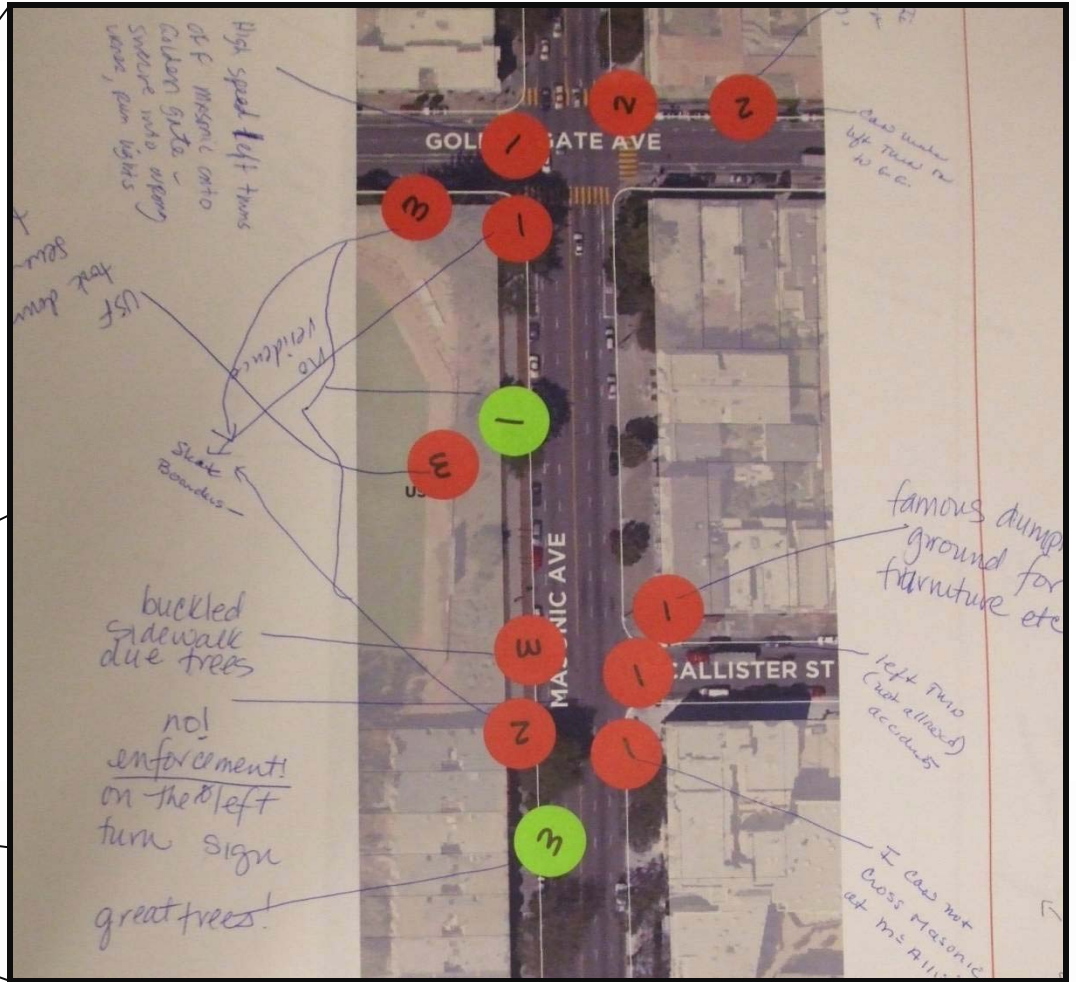
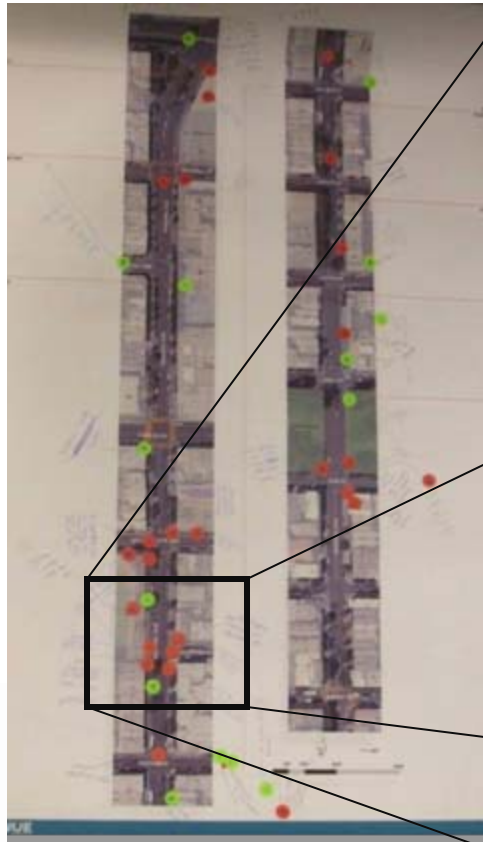
Community Workshop 1

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

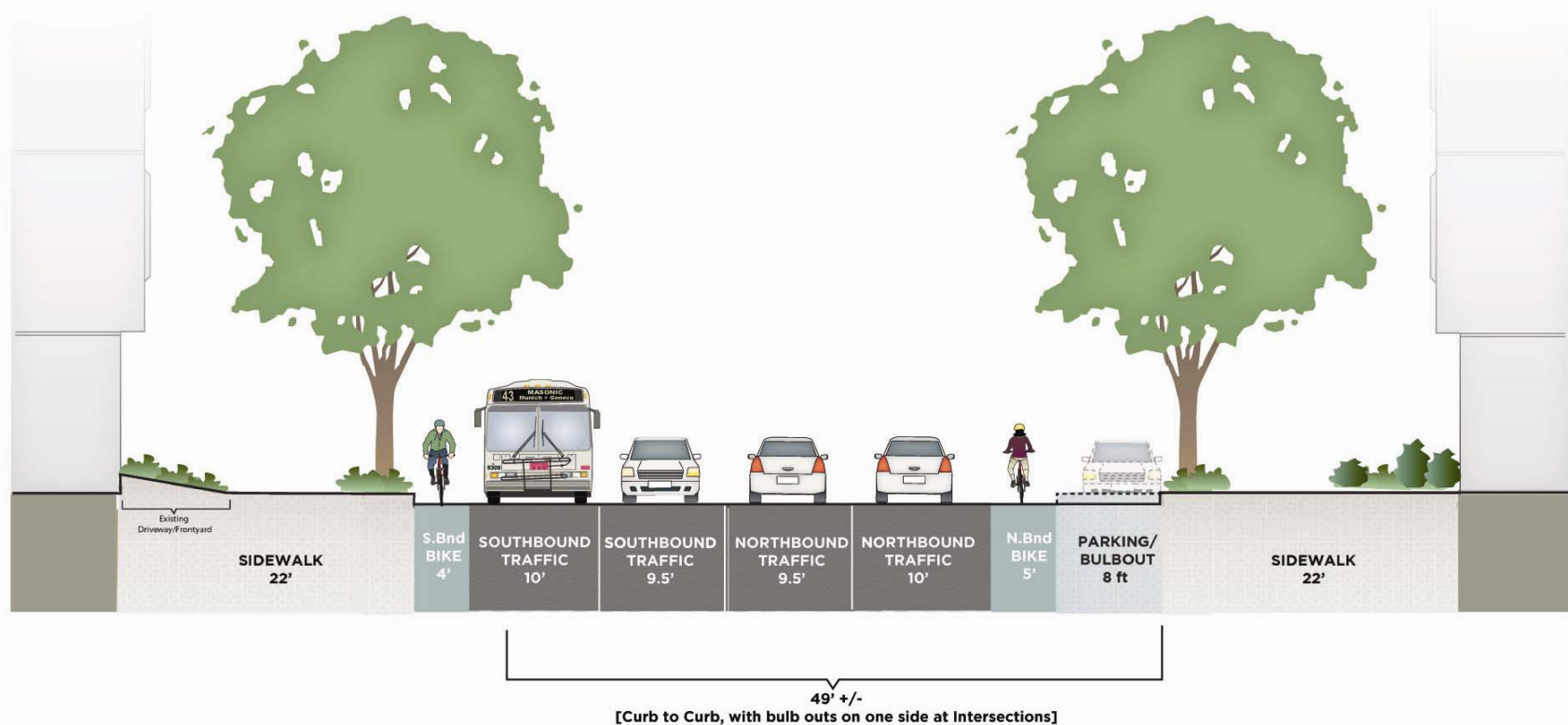
Presentation of 4 Potential
Street Design Options



Workshop 2: Option A

East side parking, 4 traffic lanes, bike lane

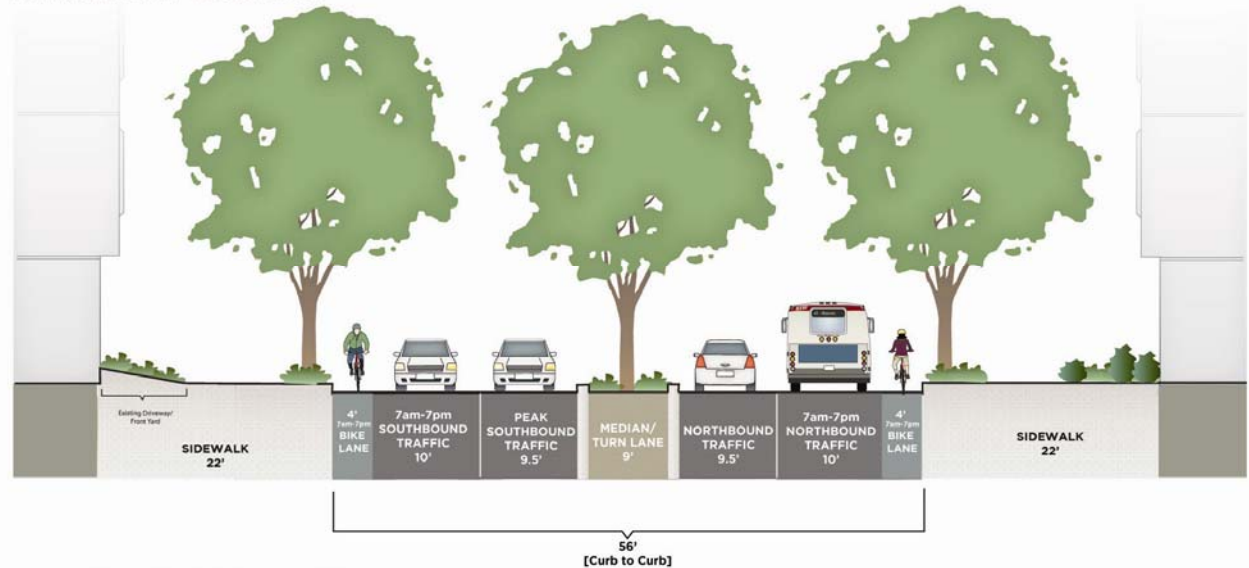
TYPICAL MID-BLOCK SECTION



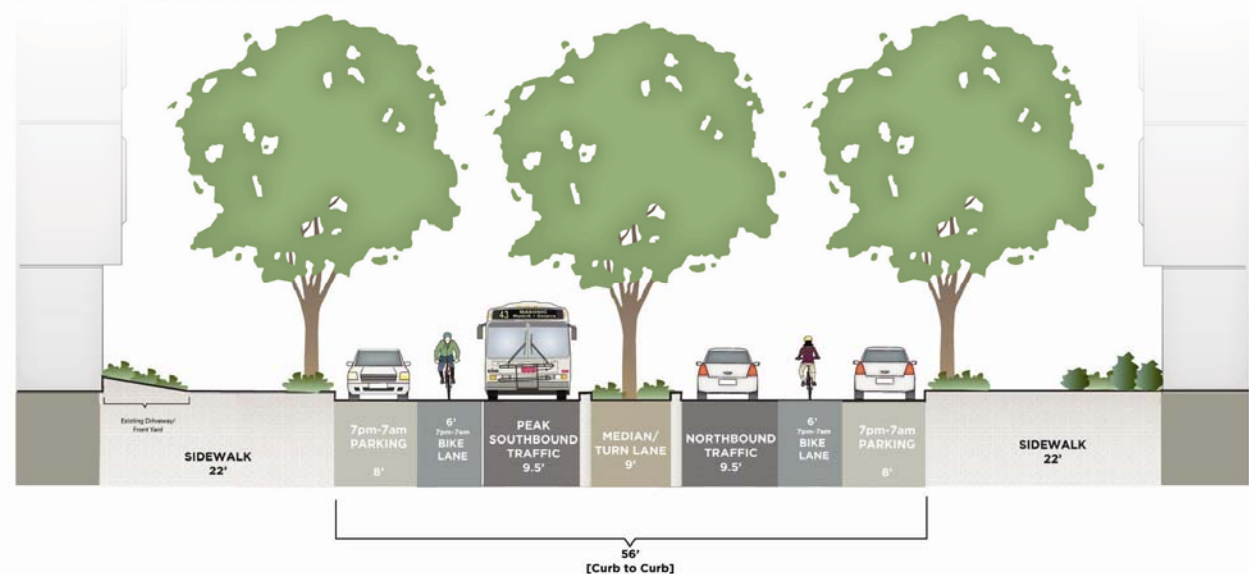
Workshop 2: Option B

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

DAYTIME CONFIGURATION



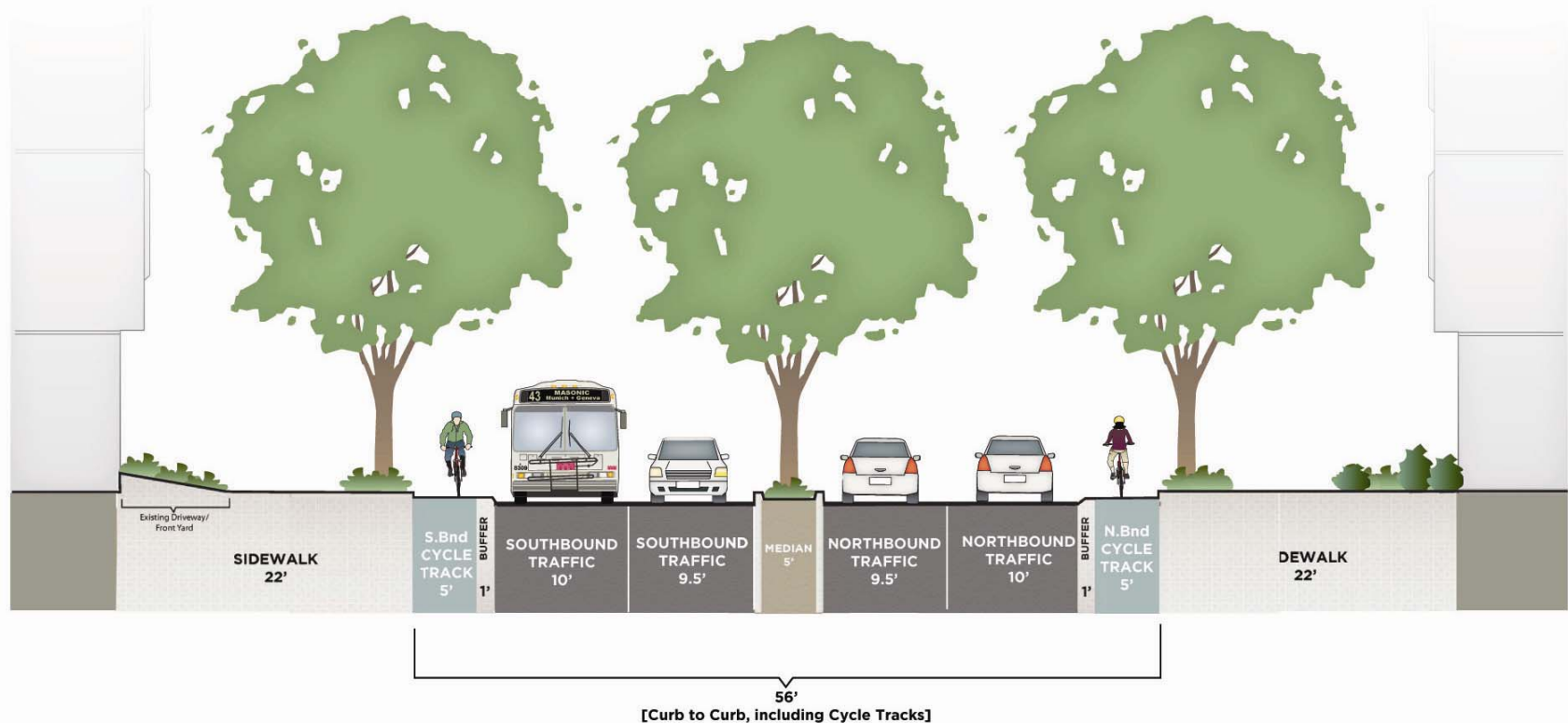
NIGHTTIME CONFIGURATION



Workshop 2: Option C

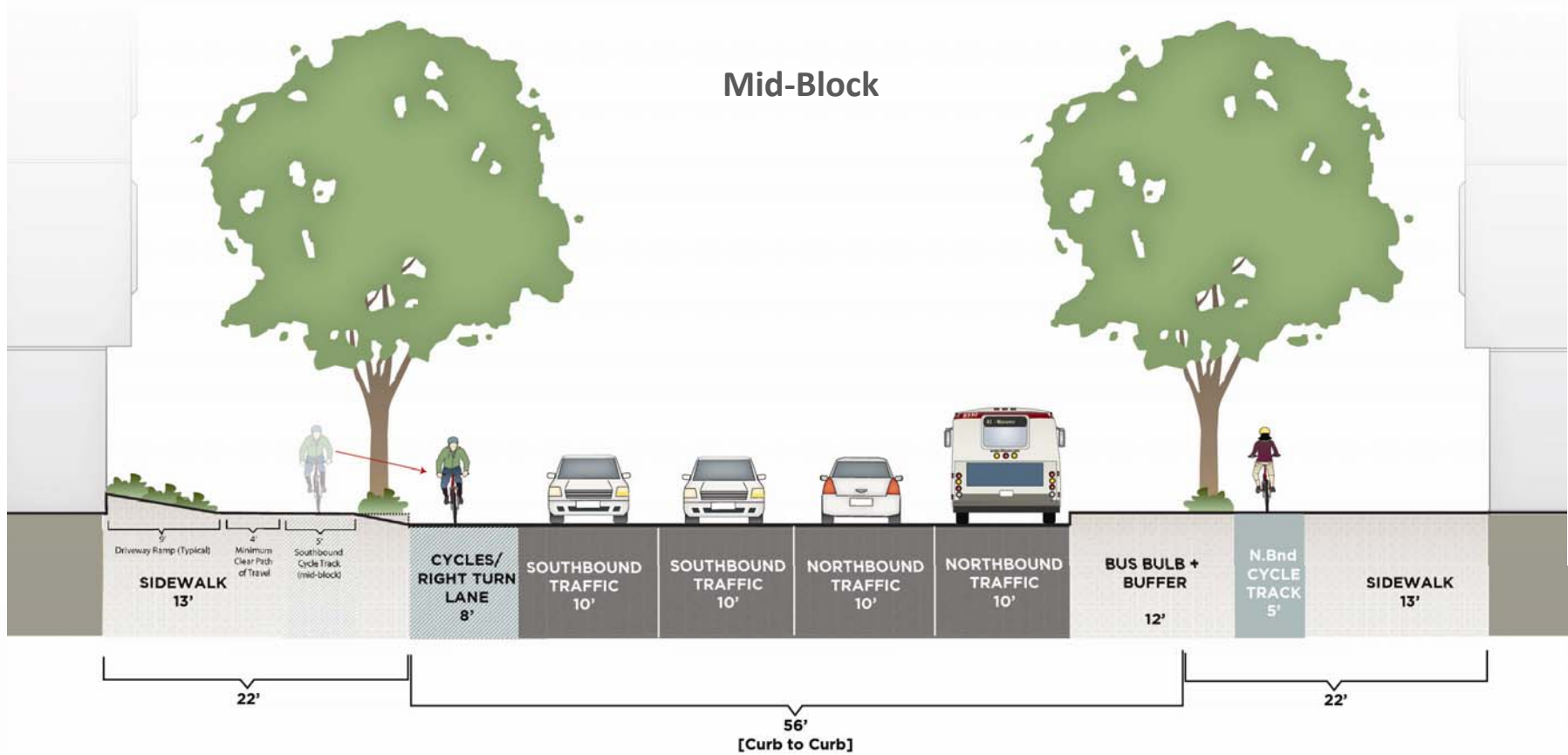
No parking, 4 traffic lanes, cycle track

TYPICAL MID-BLOCK SECTION



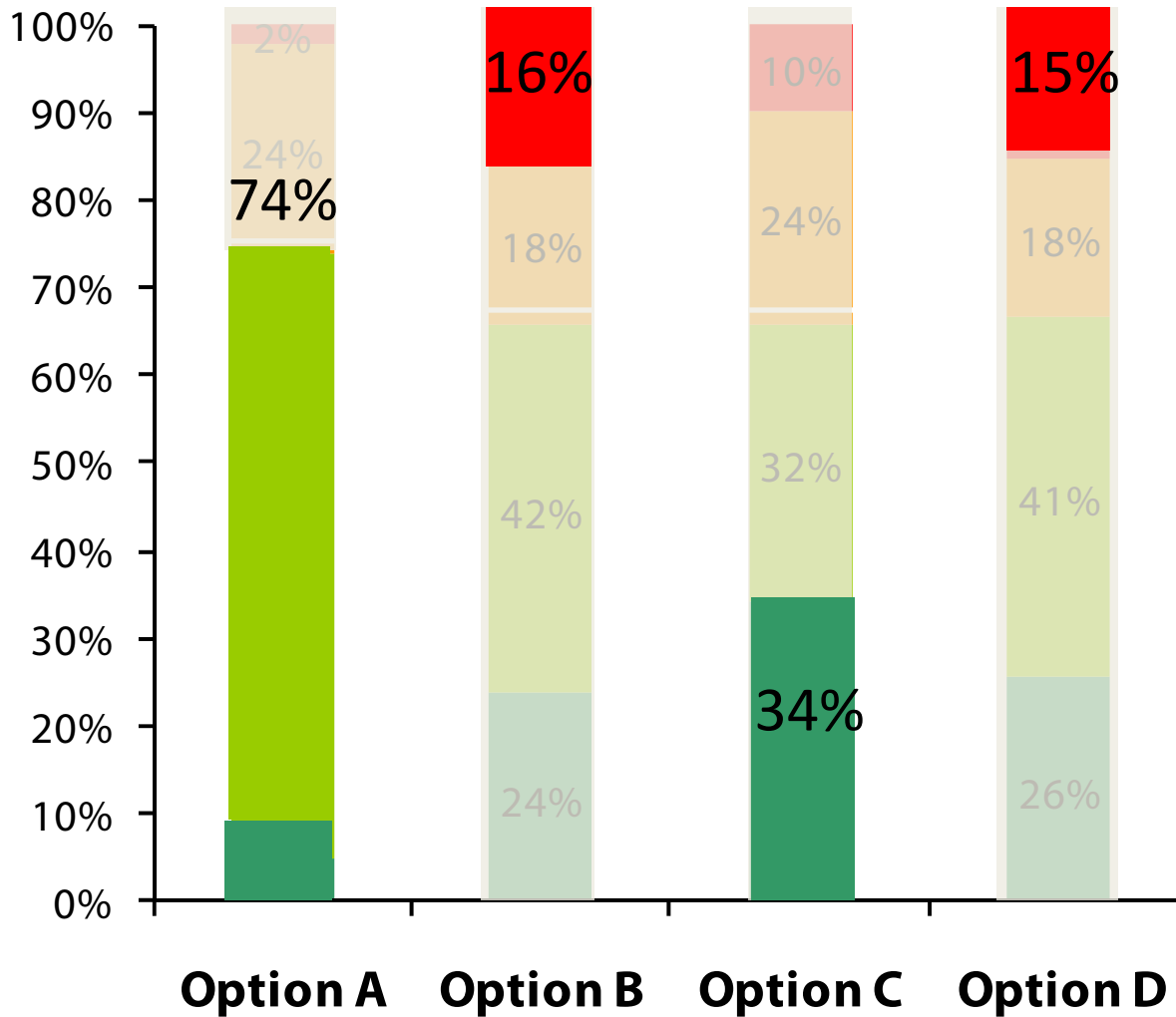
Workshop 2: Option D

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



Workshop 2 Survey Results

Overall Rankings



Option A was the most liked

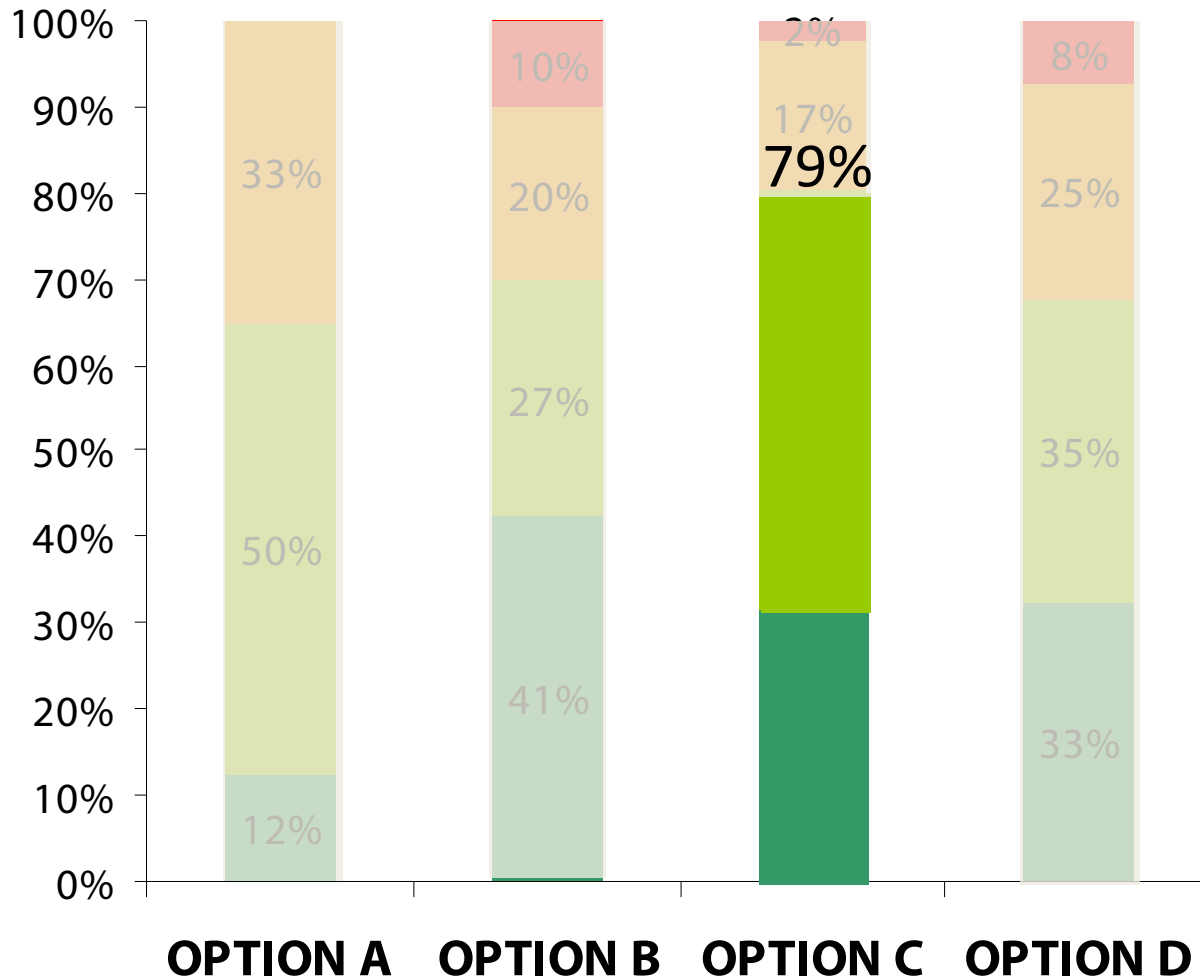
Option C was the most strongly liked option.

Options B & D were the most strongly disliked



Workshop 2 Survey Results

Roadway with Median Configuration

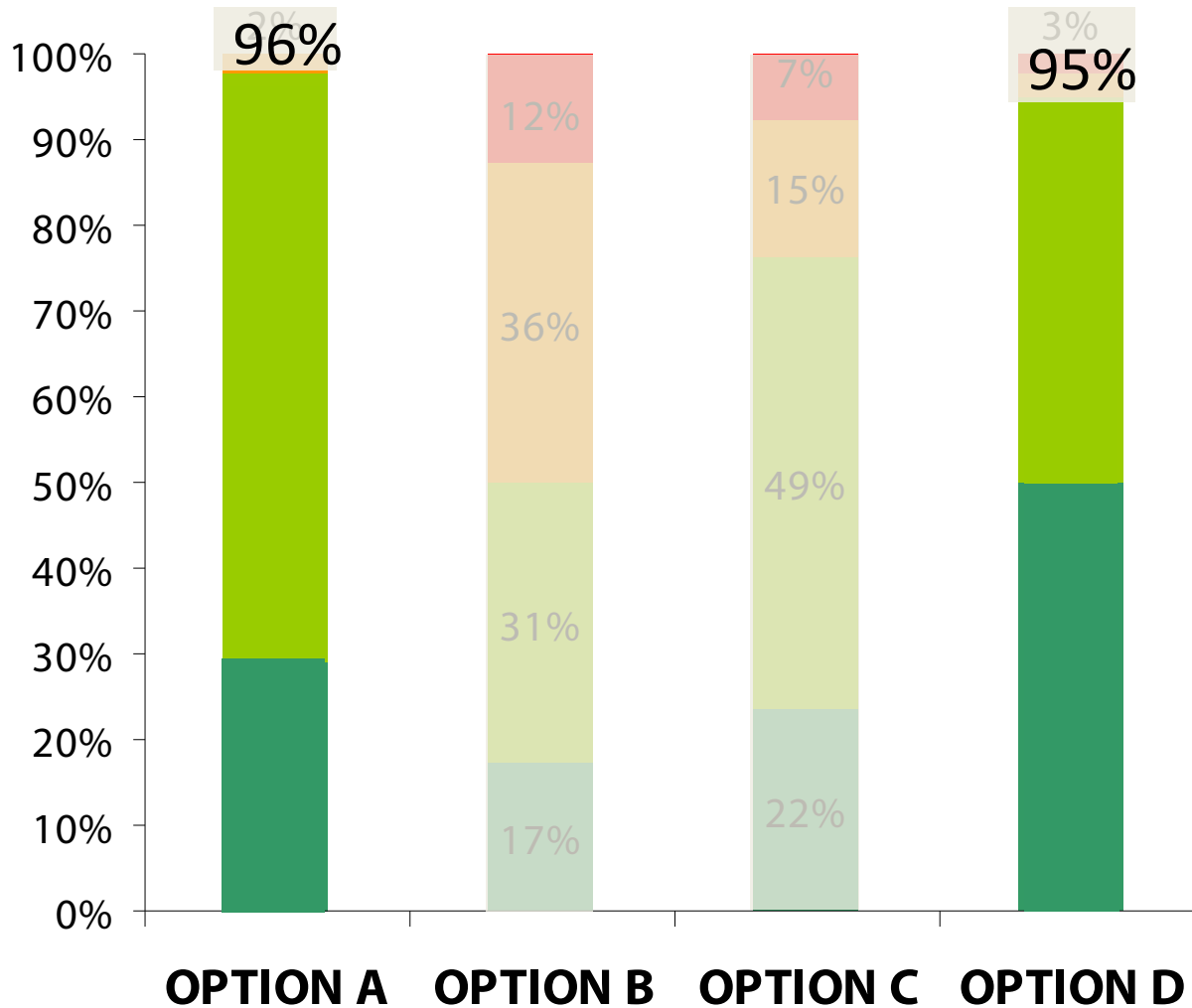


Option C shows that four traffic lanes calmed with a median is preferred.



Workshop 2 Survey Results

Transit Facilities

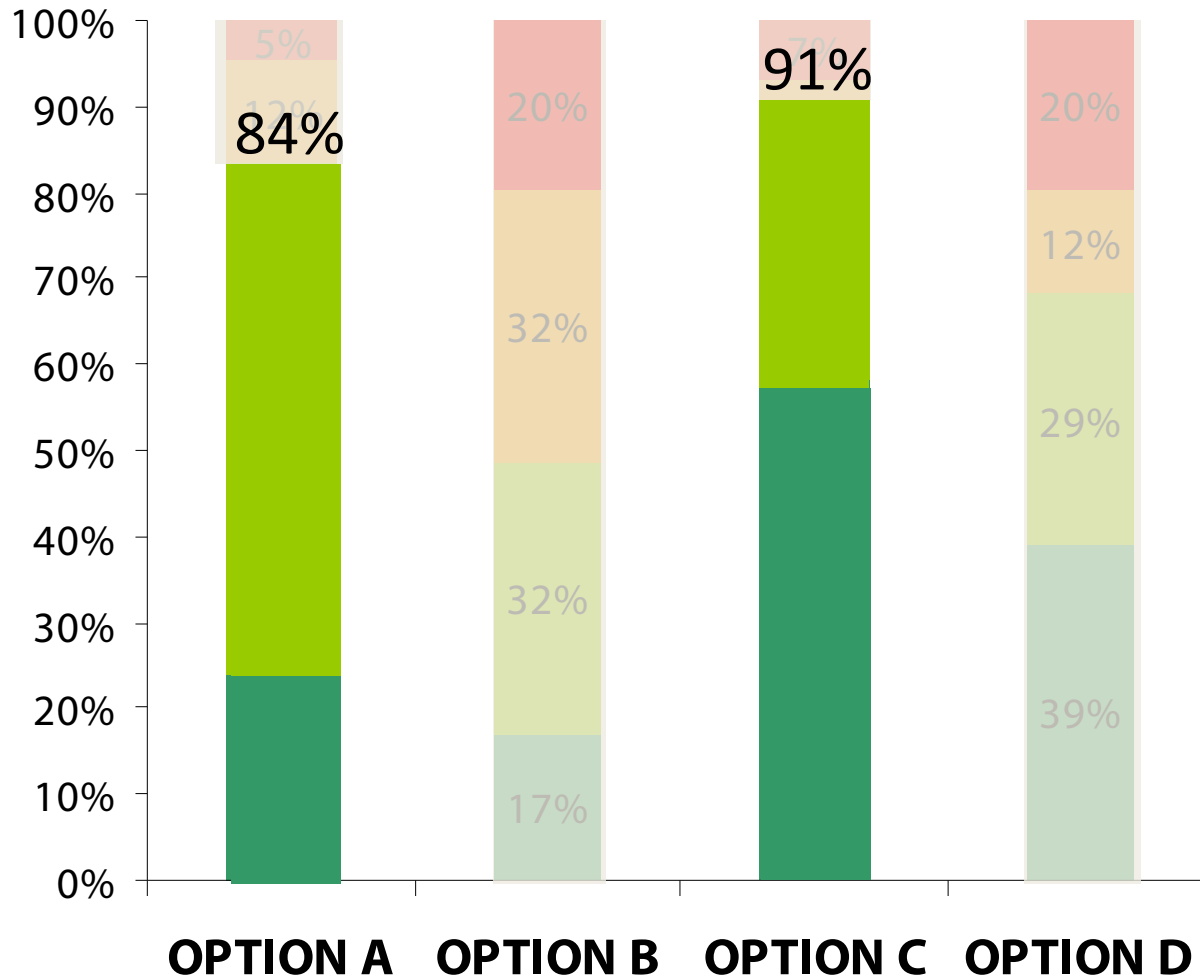


Options A and D show that Bus bulbs with inside bike lanes was favored



Workshop 2 Survey Results

Bike Facility Design

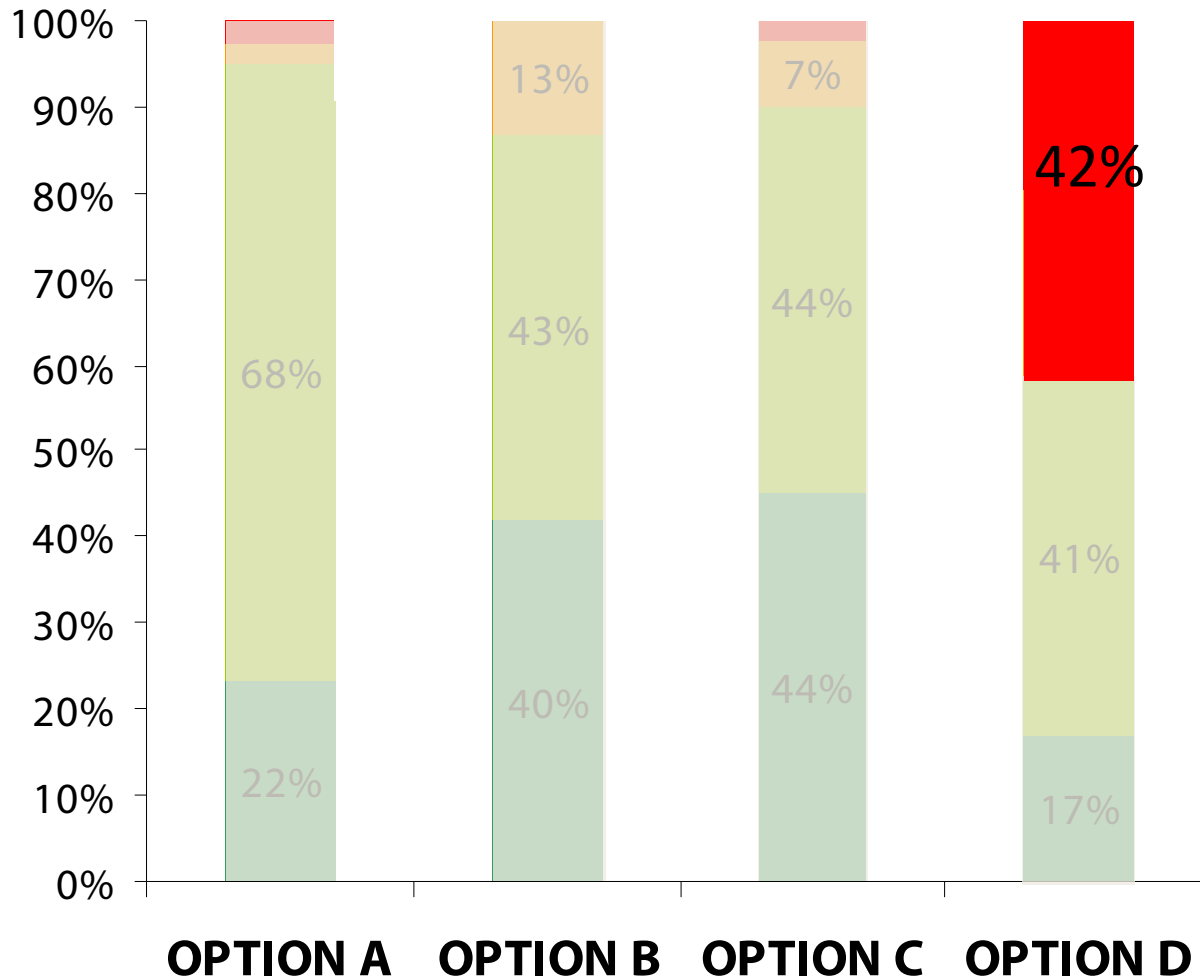


Option A and C reflect permanent bike lanes or a cycle track in existing parking/tow-away lane is preferred.



Workshop 2 Survey Results

Sidewalk Design

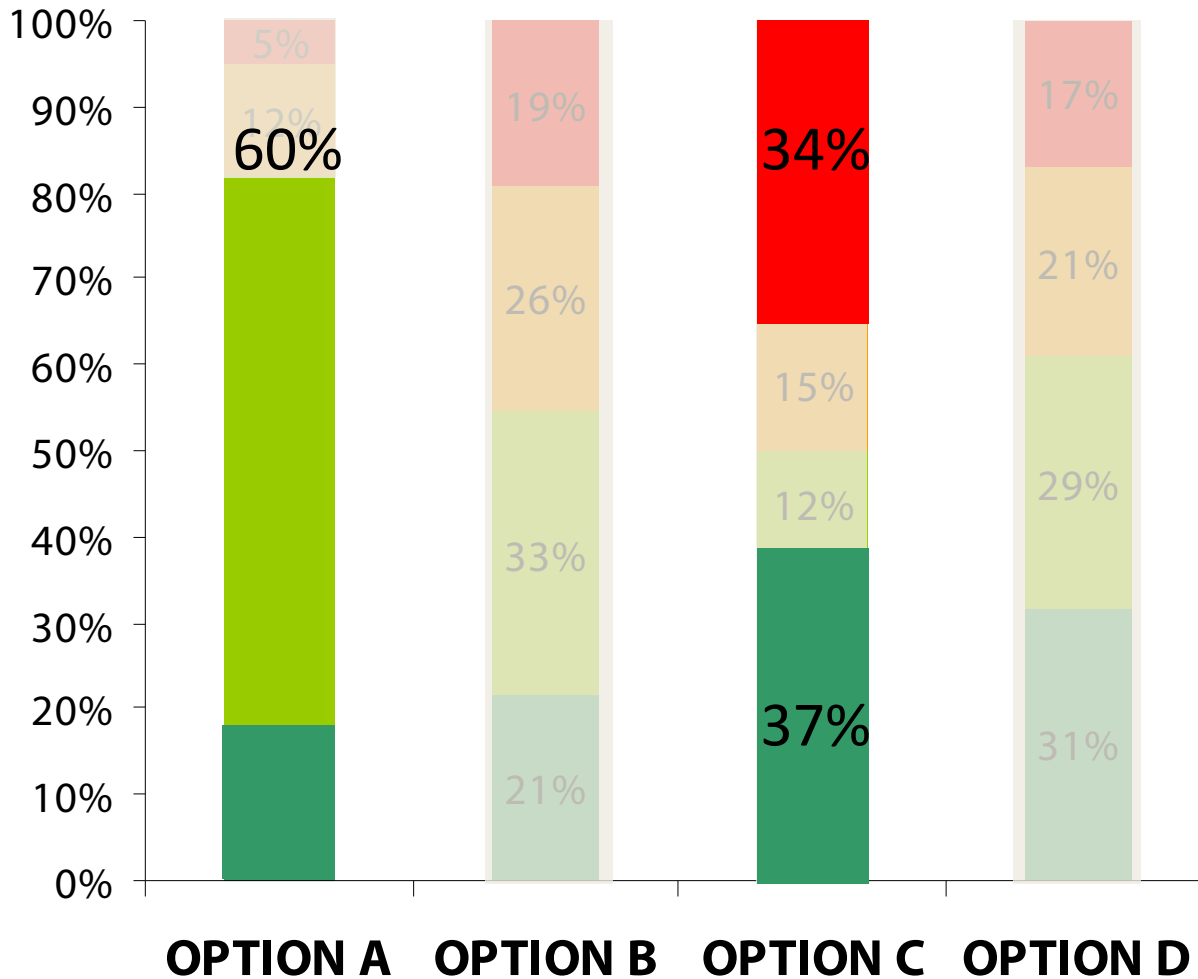


Option D reflects that a cycle track on the existing sidewalk was seen by many as a degradation of the pedestrian environment.



Workshop 2 Survey Results

Parking



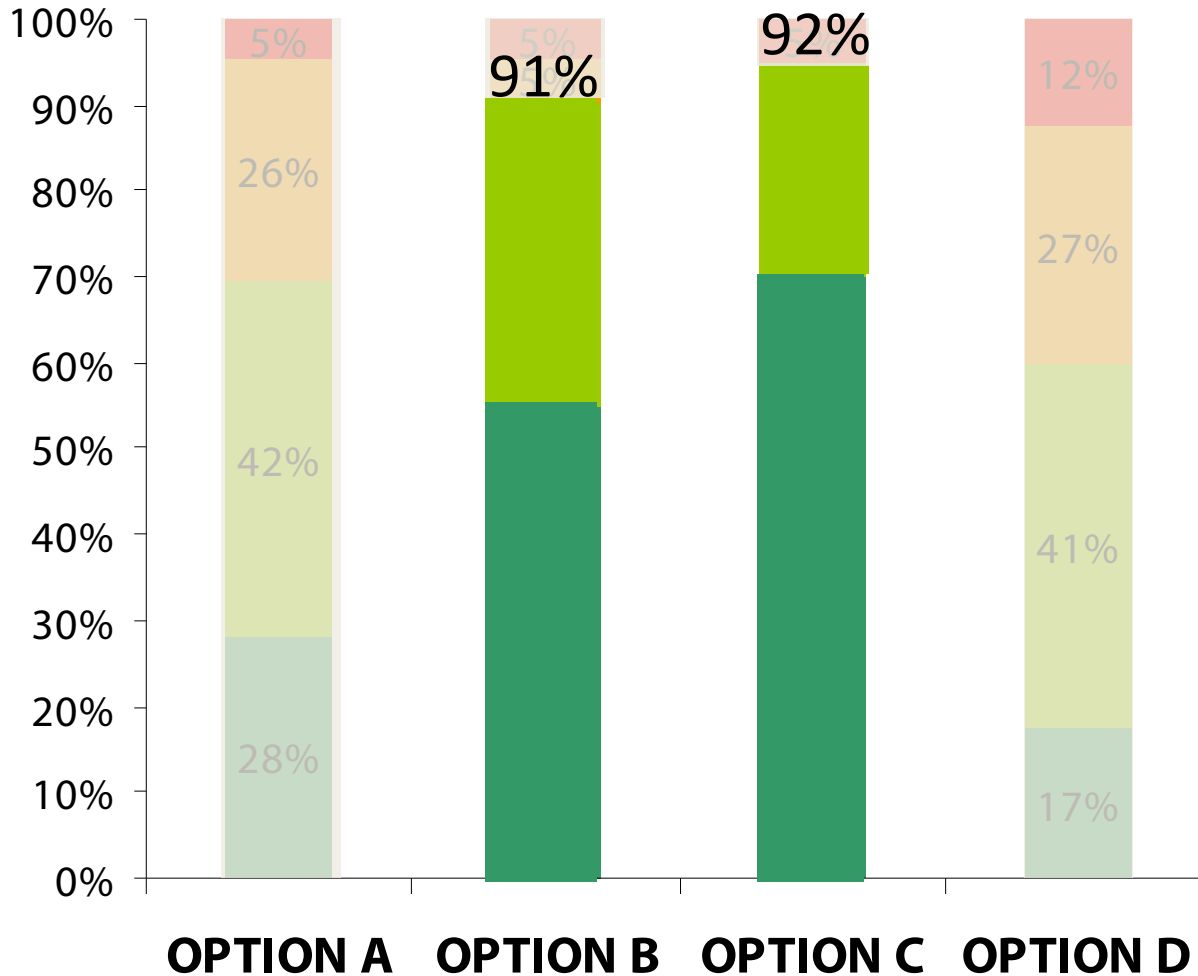
Option A (east side parking) was seen as a compromise by most;

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

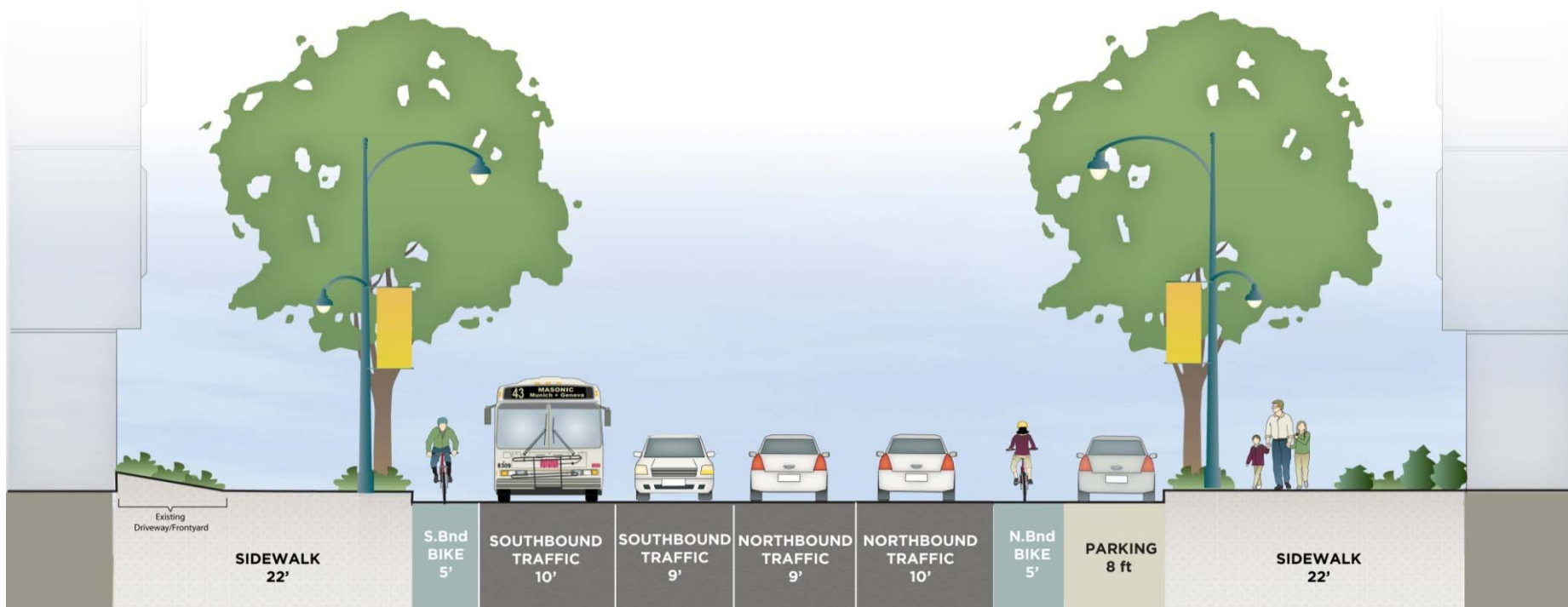


The Boulevard

is a hybrid of Option C with added traffic calming elements

The Gateway

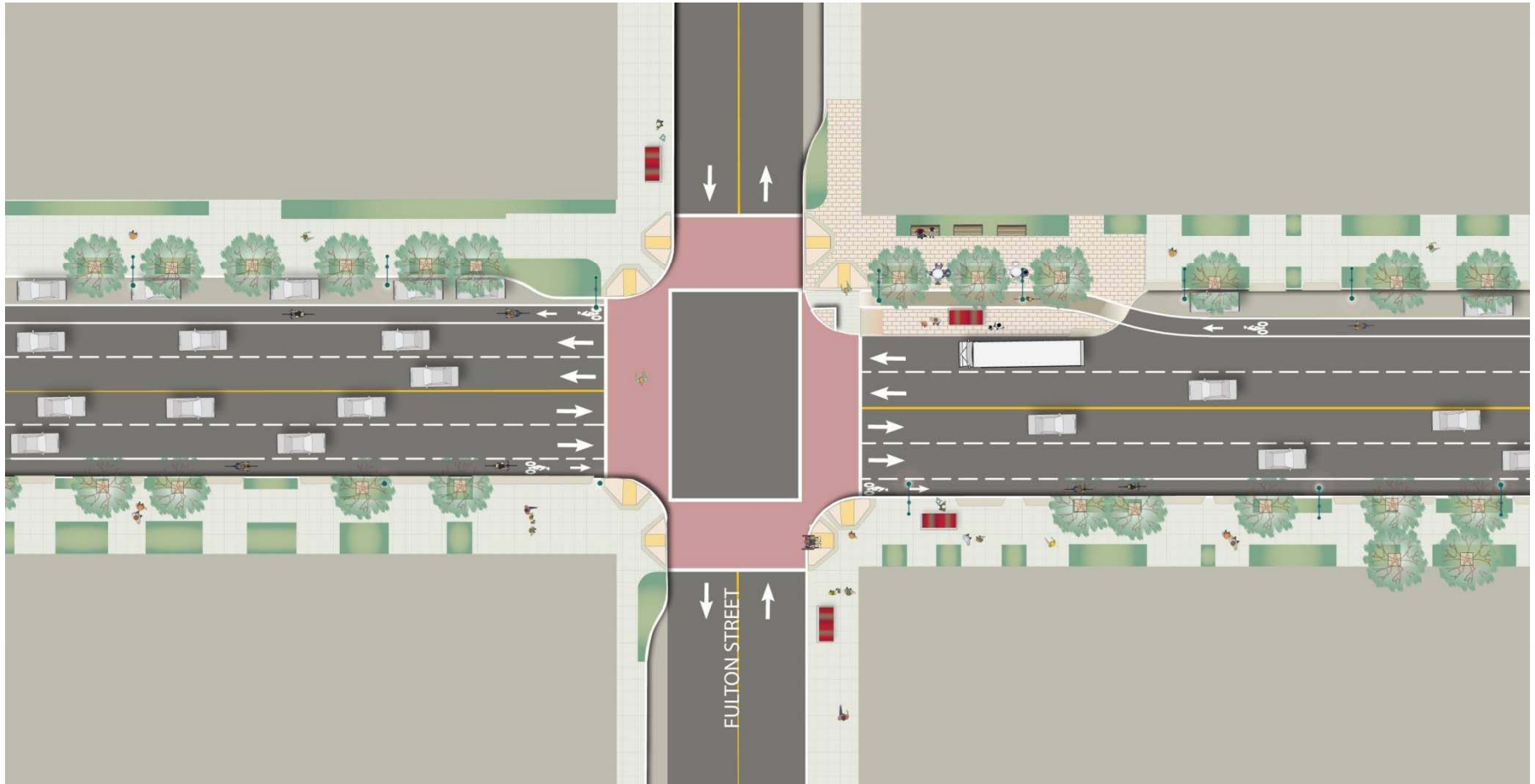
Section Rendering



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

The Gateway

Plan View Rendering

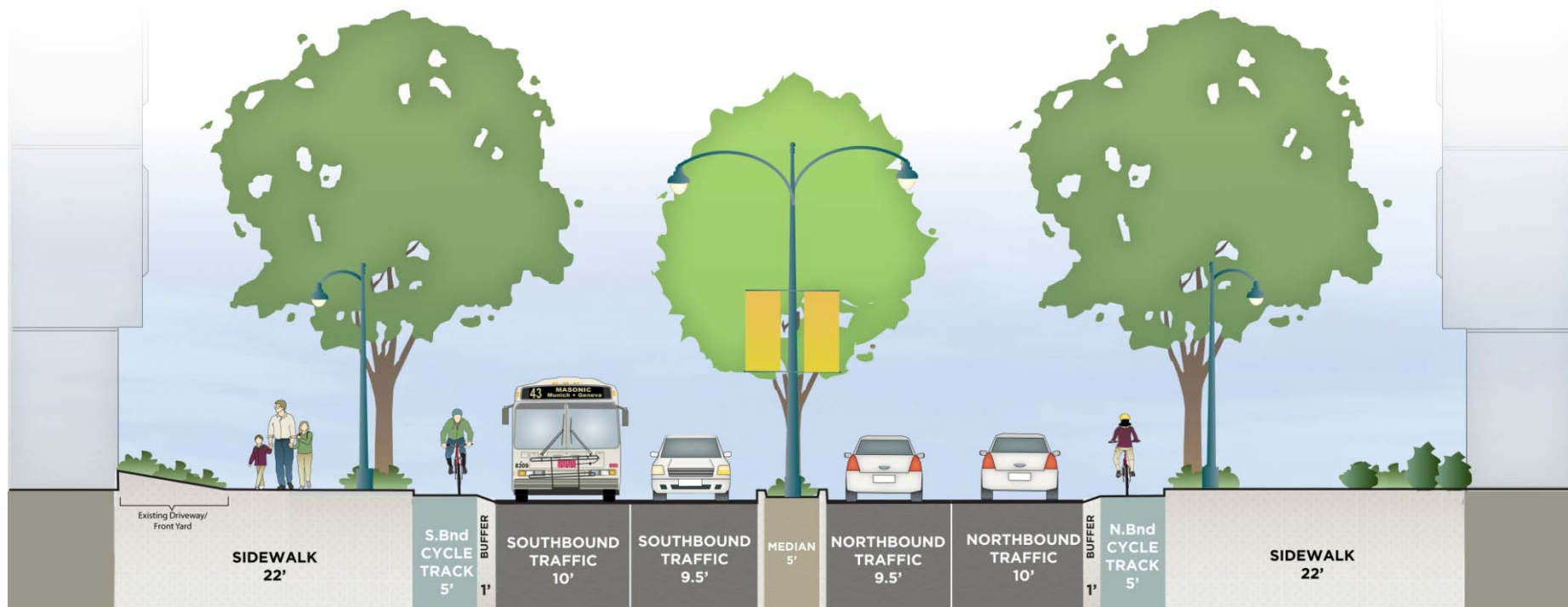


Masonic Ave



The Boulevard

Section Rendering

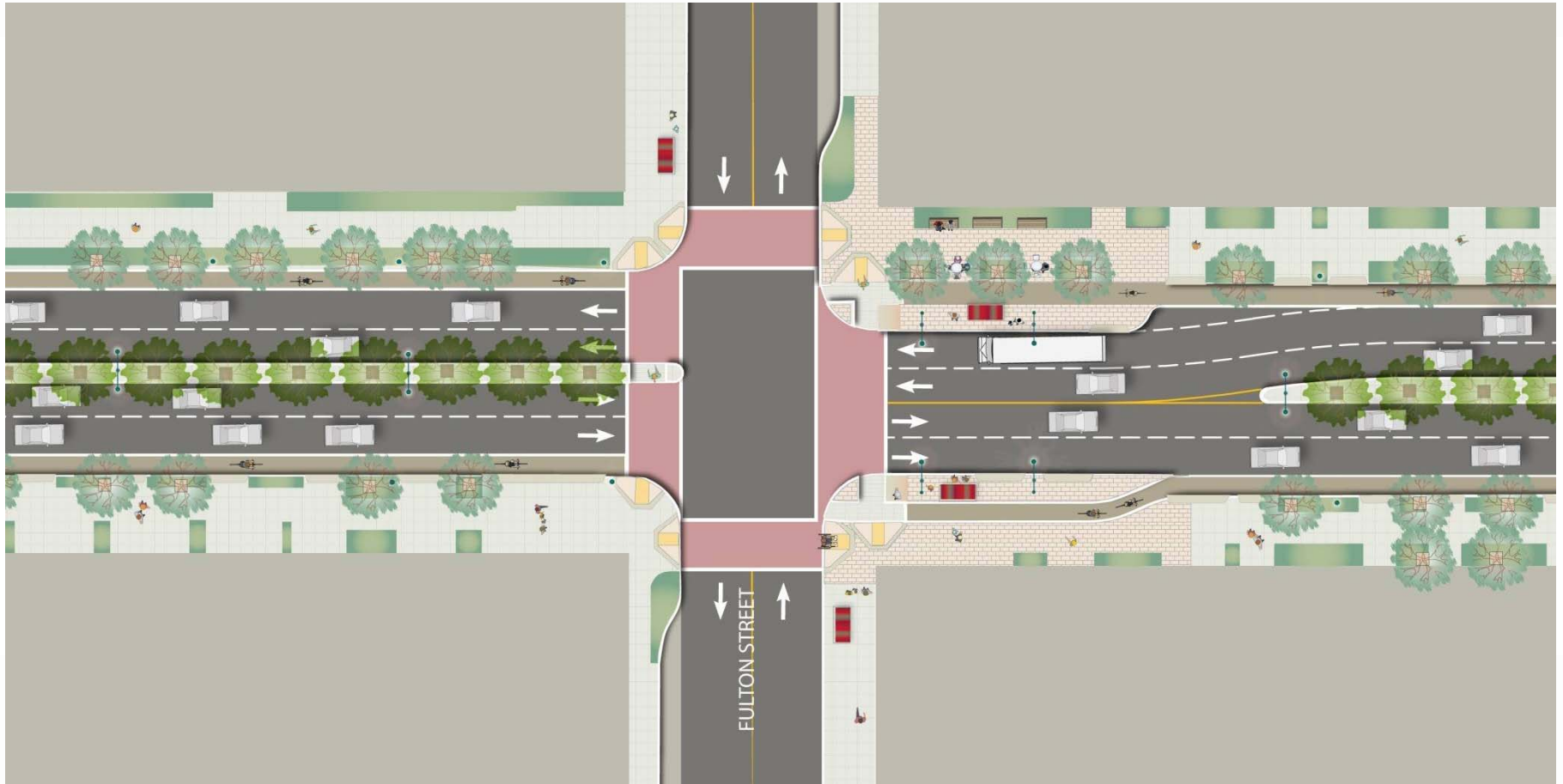


No parking, 4 lanes, cycle track, median



The Boulevard

Plan View Rendering



Masonic Ave



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Municipal Transportation Agency

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 and Public 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

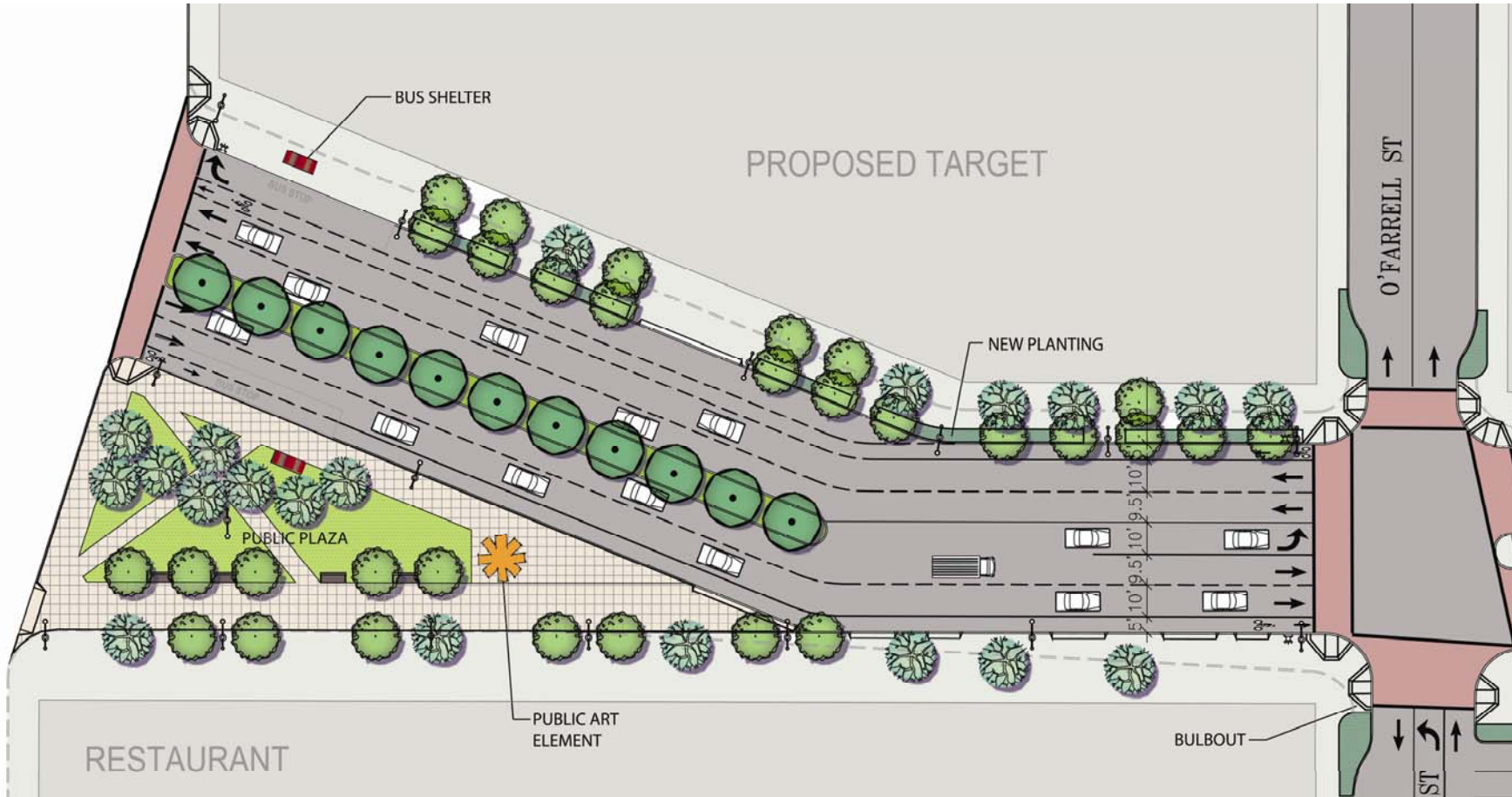


Leland Avenue

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!