

# CESAR CHAVEZ STREET:

## PLANNING & IMPLEMENTING A COMPLETE STREET

JANUARY 2010



SAN FRANCISCO  
PLANNING  
DEPARTMENT



SFPUC

MTA

Municipal Transportation Agency





America's Most Reliable Network.

NEED TRAFFIC INFO? CALL 511

SPEED LIMIT 25

BACKGROUND

DESIGN EFFORT

IMPLEMENTATION EFFORT



**PUC  
EFFICIENCY**

**MTA  
BULBS**

**PUC  
SEWER**

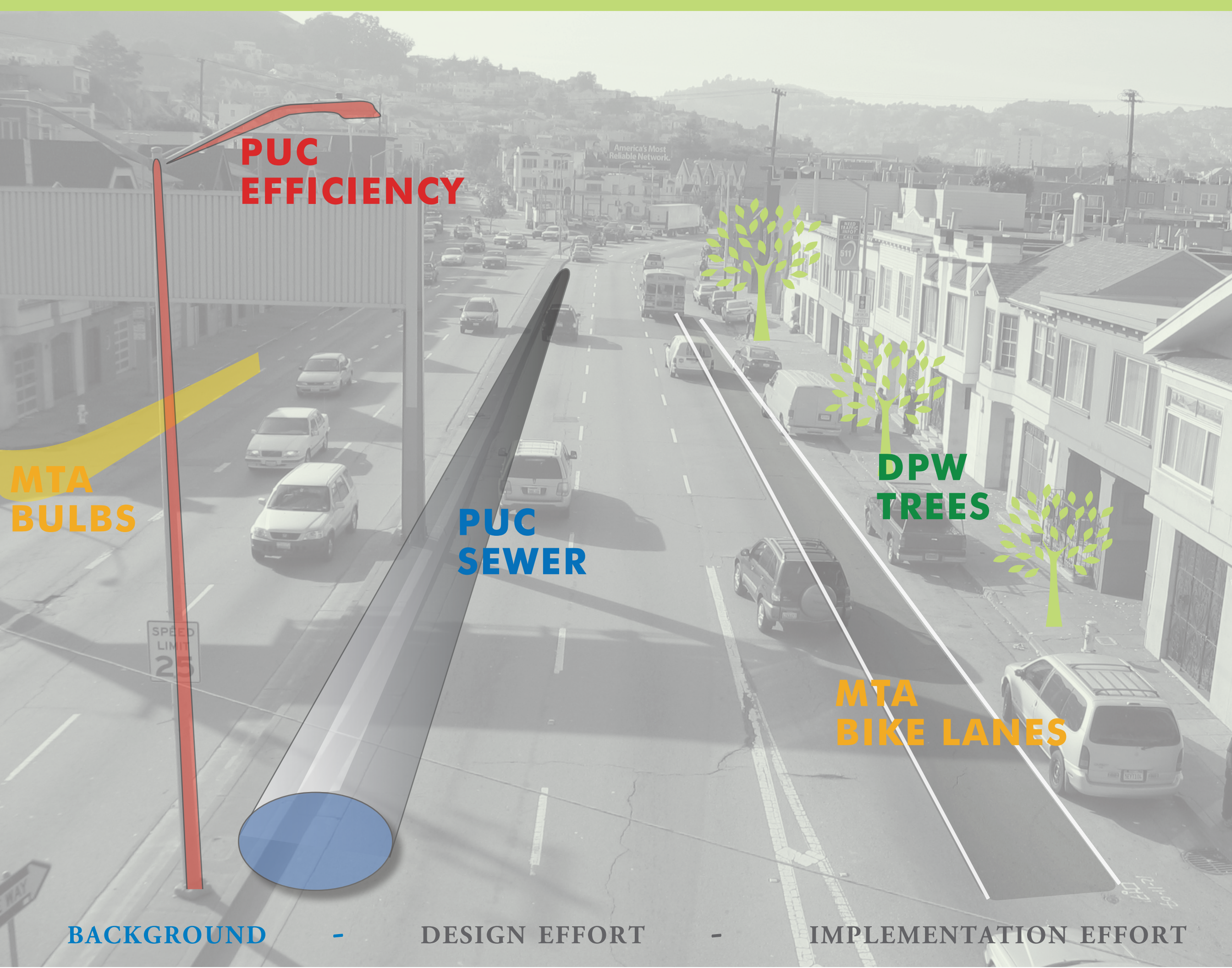
**DPW  
TREES**

**MTA  
BIKE LANES**

**BACKGROUND**

**DESIGN EFFORT**

**IMPLEMENTATION EFFORT**







BACKGROUND

-

DESIGN EFFORT

-

IMPLEMENTATION EFFORT





# better streets

SAN FRANCISCO

BACKGROUND

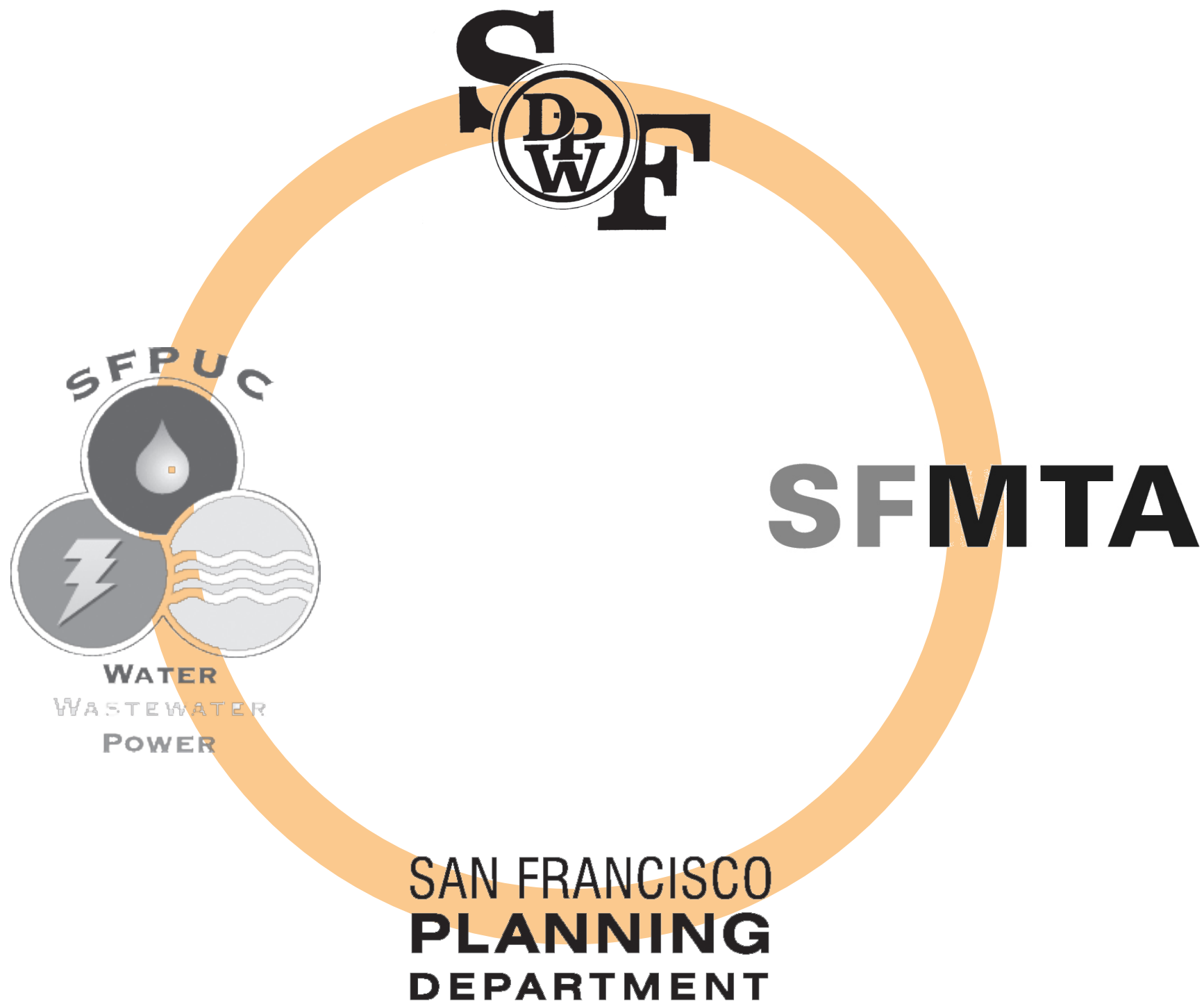
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DESIGN EFFORT

-

IMPLEMENTATION EFFORT





**BACKGROUND**

-

DESIGN EFFORT

-

IMPLEMENTATION EFFORT





1946

BACKGROUND

-

DESIGN EFFORT

-

IMPLEMENTATION EFFORT





1930s

BACKGROUND

-

DESIGN EFFORT

-

IMPLEMENTATION EFFORT



# METROPOLIS

PAGE ONE, PART TWO

San Francisco Chronicle

CCCAAB THURSDAY, DEC. 4, 1947

## Residents Protest Street Widening

City plans to widen Army street and San Jose avenue were protested yesterday by residents facing eviction from their homes as a result of the improvement program.

More than 100 people whose homes front on the two streets stated their opposition at a City Hall public hearing on a proposal to allocate funds for the widening.

Similar protests two years ago forced postponement of the work at that time. The plan is to widen Army street between Harrison and Guerrero and San Jose avenue from Army to Brook street.

### MORE TRAFFIC

"This work should have been started 10 years ago," said Harry C. Vensano, public works director. "It is essential that the streets be widened to take care of the increased automobile traffic."

Vensano said 44 buildings on Army street and 103 on San Jose avenue would have to be moved. Many of the homes have been purchased by the city to pave the way for the improvement.

Residents argued they have been unable to find new homes at comparable rent and that eviction would force them onto the streets.

### HIGH PRICES

CHRISTMAS

SUGGESTIONS

SUBSCRIPTIONS

ADVERTISING

INFORMATION

FREE

BOOKS

MAGAZINES

PRINTING

INFORMATION

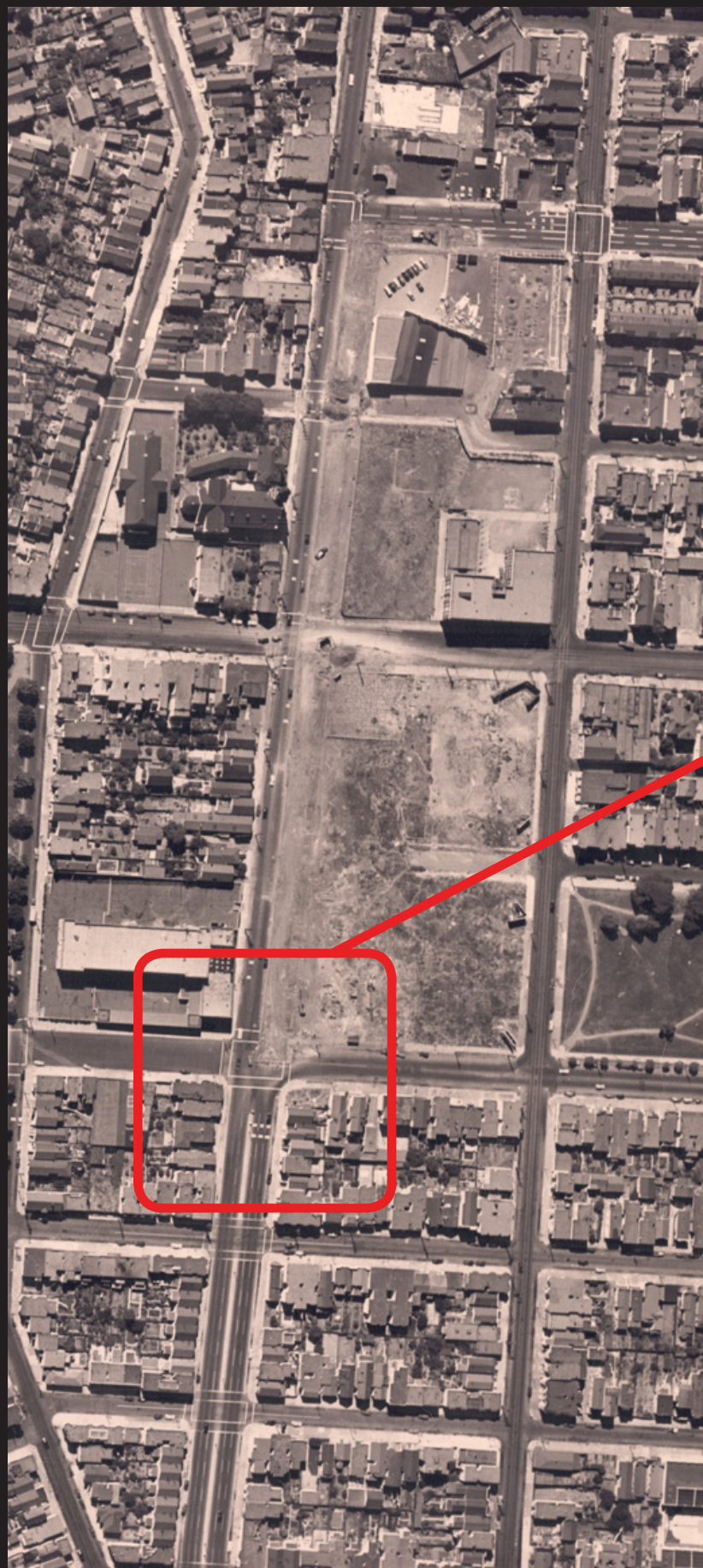
JARDINER

NUMBER

LES ELSA

Yearly

vidua



1948-  
1949

BACKGROUND

DESIGN EFFORT

IMPLEMENTATION EFFORT





1958-  
1960s

BACKGROUND

-

DESIGN EFFORT

-

IMPLEMENTATION EFFORT





TODAY

BACKGROUND

-

DESIGN EFFORT

-

IMPLEMENTATION EFFORT



# WHAT'S WRONG WITH CESAR CHAVEZ STREET?



BACKGROUND

-

DESIGN EFFORT

-

IMPLEMENTATION EFFORT





BACKGROUND

-

DESIGN EFFORT

-

IMPLEMENTATION EFFORT





←2900  
BRYANT

REFRIGERATORS STORE  
WASHERS-DRYERS Ph. 6

WASHERS DRYERS  
6 MONTHS WARRANTY PARTS & LABOR  
KENMORE WHIRLPOOL MAYTAG  
REFRIGERATORS FREEZERS...STO

Line 27  
JETTING MARINE

BACKGROUND

DESIGN EFFORT

IMPLEMENTATION EFFORT



**PART-  
TIME  
BIKE  
LANES**



BACKGROUND

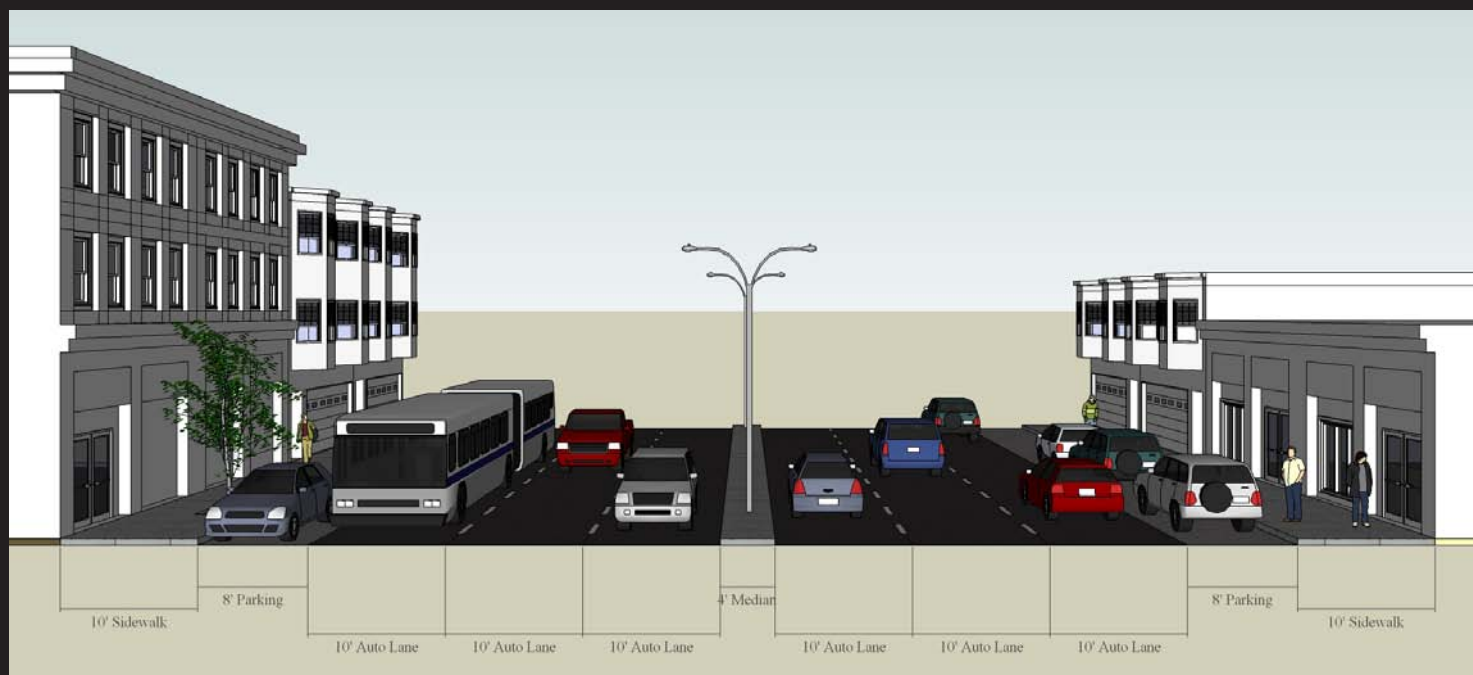
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DESIGN EFFORT

-

IMPLEMENTATION EFFORT

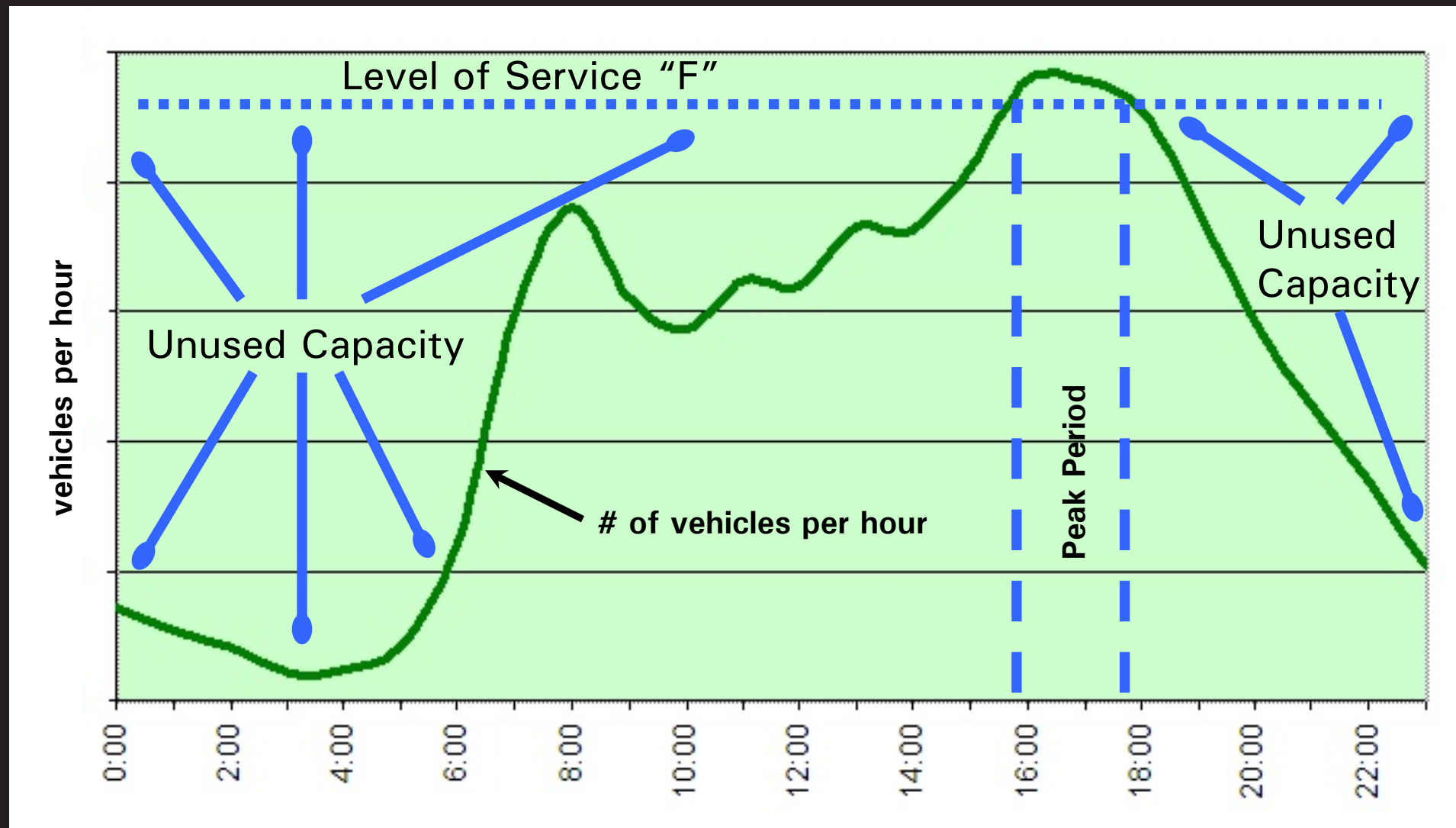




**80%  
OF THE  
STREET IS  
DEVOTED  
TO  
VEHICLES**



# DESIGNED FOR PEAK VEHICLE FLOW





# DESIGNED FOR PEAK VEHICLE FLOW\*

INEFFICIENT USE OF VALUABLE SPACE

ONE-DIMENSIONAL DESIGN

ENCOURAGES SPEEDING

UNNECESSARILY WIDE FOR PEDESTRIANS

**\*PEAK HOUR OCCURS ~2HRS/DAY, 5 DAYS/WEEK,  
OR 6% OF THE TIME**

BACKGROUND

-

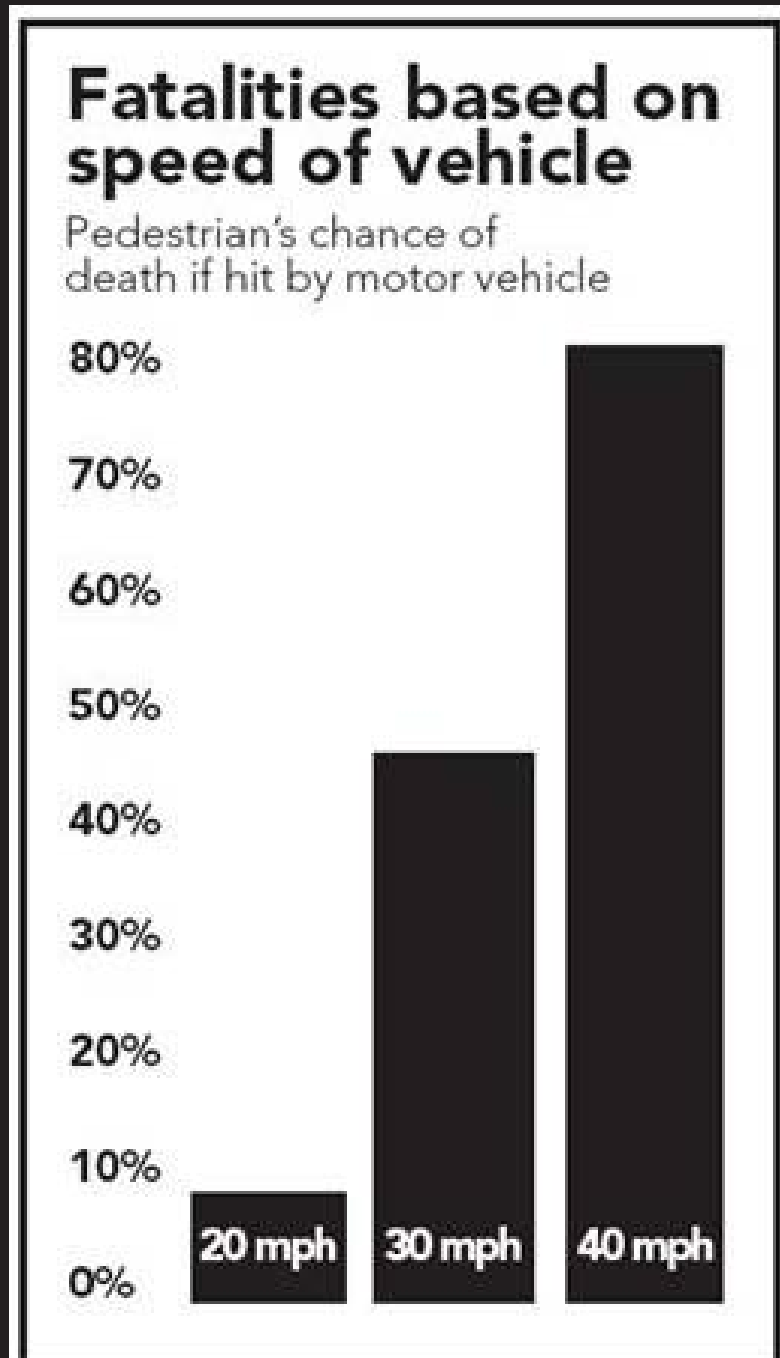
DESIGN EFFORT

-

IMPLEMENTATION EFFORT



# HIGH SPEED AND PEDESTRIAN DANGER





# QUALITY OF LIFE AND STREET EXPERIENCE



vs.



vs. ??



# LASTLY, FLOODING...



BACKGROUND

-

DESIGN EFFORT

-

IMPLEMENTATION EFFORT





SFPUC



SPEED  
LIMIT  
**25**  
WATER  
WASTEWATER  
POWER

- MULTI-MODALITY
- LIVABILITY
- STORMWATER

SFMTA

SAN FRANCISCO  
**PLANNING**  
DEPARTMENT



# CHARRETTES

Two design charrettes with consultants...

CITYWORKS JACOBS/MACDONALD (DESIGN)

NELSON\NYGAARD (TRANSPORTATION)

SHERWOOD DESIGN (STORMWATER)

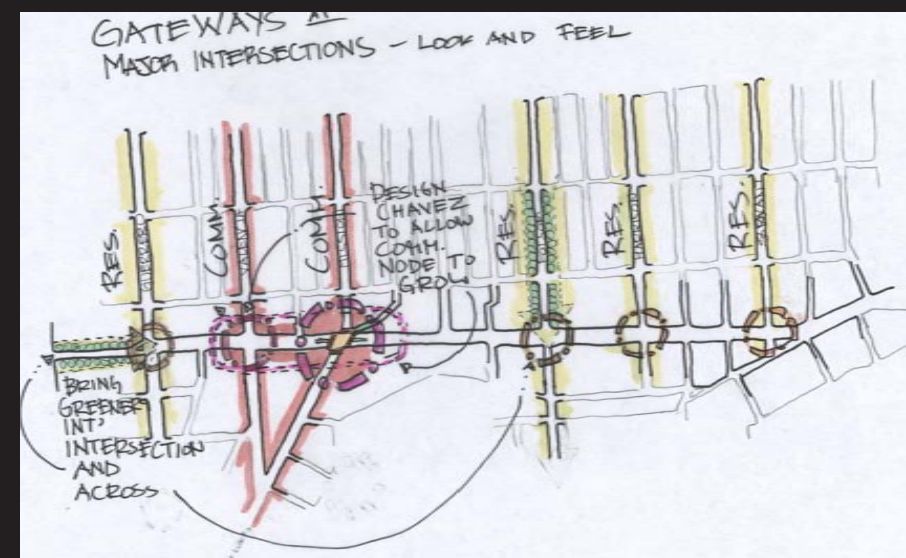
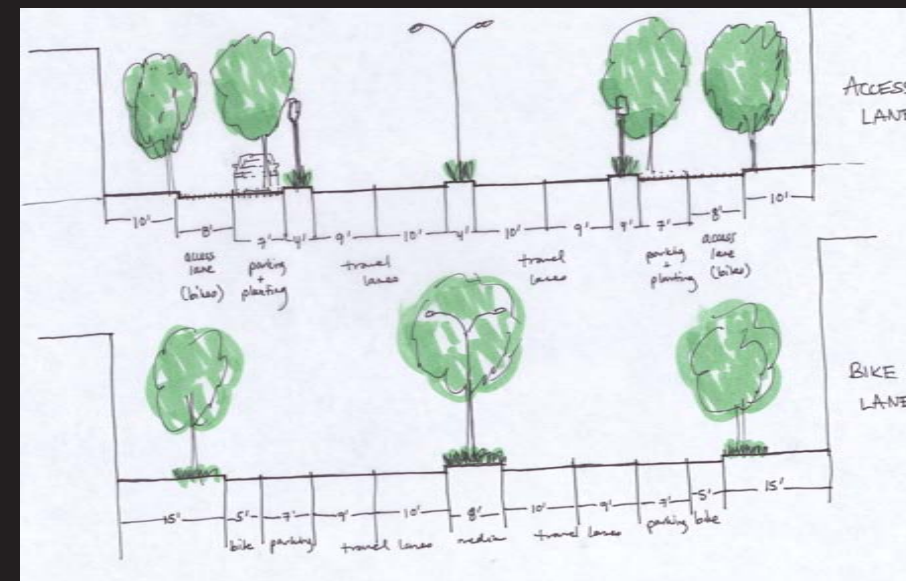
AND agency representatives.

CITY PLANNING

DEPARTMENT OF PUBLIC WORKS (DPW)

MUNICIPAL TRANSPORTATION AGENCY (MTA)

PUBLIC UTILITIES COMMISSION (PUC)

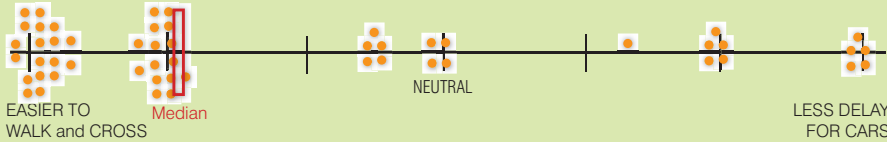




# PUBLIC WORKSHOPS

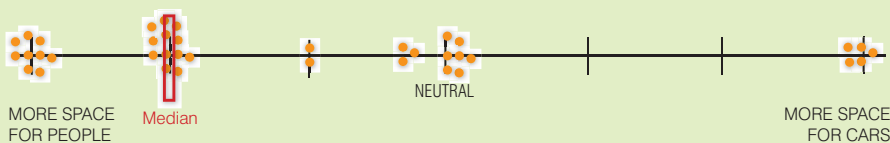
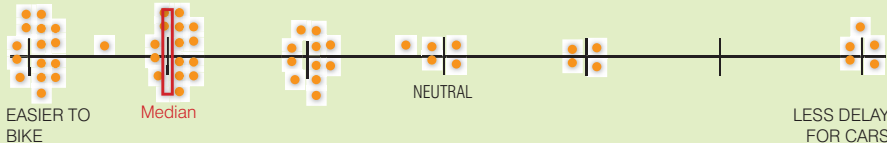
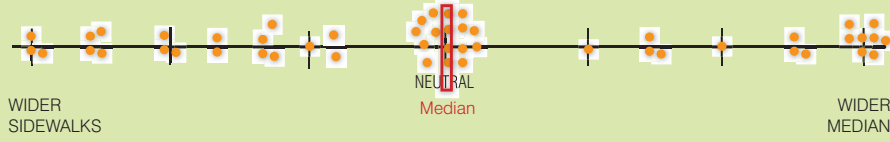
WHAT IS MORE IMPORTANT TO YOU?  
 "No one gets everything; everyone gets something."

1.



WHAT IS MORE IMPORTANT TO YOU?  
 "No one gets everything; everyone gets something."

3.



COMMUNITY DESIGN WORKSHOP.  
 CESAR CHAVEZ STREET

MAY 2008

COMMUNITY DESIGN WORKSHOP.  
 CESAR CHAVEZ STREET

MAY 2008



# PUBLIC WORKSHOPS

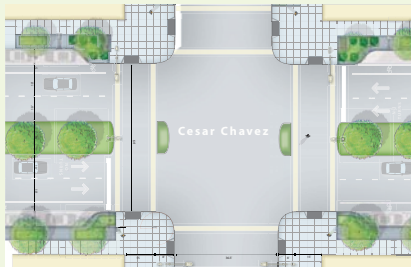
## DESIGN ALTERNATIVE 1 MEDIAN OPTION



### FEATURES:

- 14' planted median
- Regular spacing of trees on median and sidewalks
- Corner bulb extensions at most intersections
- Pedestrian refuge areas halfway through cross-walk
- Pedestrian lighting
- Bike lanes
- 4 lanes of traffic with turning pockets
- Stormwater planters

### COMMENTS:



COMMUNITY DESIGN WORKSHOP.  
CESAR CHAVEZ STREET

AUGUST 2008

APX 60 VOTES

## DESIGN ALTERNATIVE 2 BOULEVARD OPTION



### FEATURES:

- 8-10' off-center planted median
- Regular spacing of trees on median and sidewalks
- Corner bulb extensions at most intersections
- Pedestrian lighting
- Westbound bike lane through access road, east bound bike lane.
- 4 lanes of traffic; left turns prohibited where boulevard exists.
- Stormwater planters

### COMMENTS:



COMMUNITY DESIGN WORKSHOP.  
CESAR CHAVEZ STREET

AUGUST 2008

APX 2 VOTES

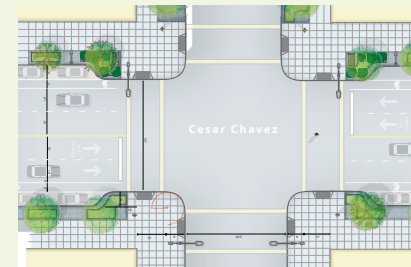
## DESIGN ALTERNATIVE 3 SIDEWALK OPTION



### FEATURES:

- 17' sidewalks
- Regular spacing of trees on median and sidewalks
- Corner bulb extensions at most intersections
- Pedestrian lighting
- Bike lanes
- 4 lanes of traffic; turn pockets
- Stormwater planters

### COMMENTS:



COMMUNITY DESIGN WORKSHOP.  
CESAR CHAVEZ STREET

AUGUST 2008

APX 10 VOTES

BACKGROUND

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DESIGN EFFORT

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IMPLEMENTATION EFFORT





BACKGROUND

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DESIGN EFFORT

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IMPLEMENTATION EFFORT





BACKGROUND

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DESIGN EFFORT

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IMPLEMENTATION EFFORT



A perspective view of a city street with a wide median, trees, and cars. The street is lined with mature trees and has a wide median with a planted area. Several cars are visible on the road. The text is overlaid on the image in a white, serif font.

PERMANENT BIKE LANES  
WIDE PLANTED MEDIAN  
LEFT TURN POCKETS  
CORNER SIDEWALK EXTENSIONS  
STORMWATER PLANTERS  
ENERGY EFFICIENT LIGHTING  
STREET TREES

BACKGROUND

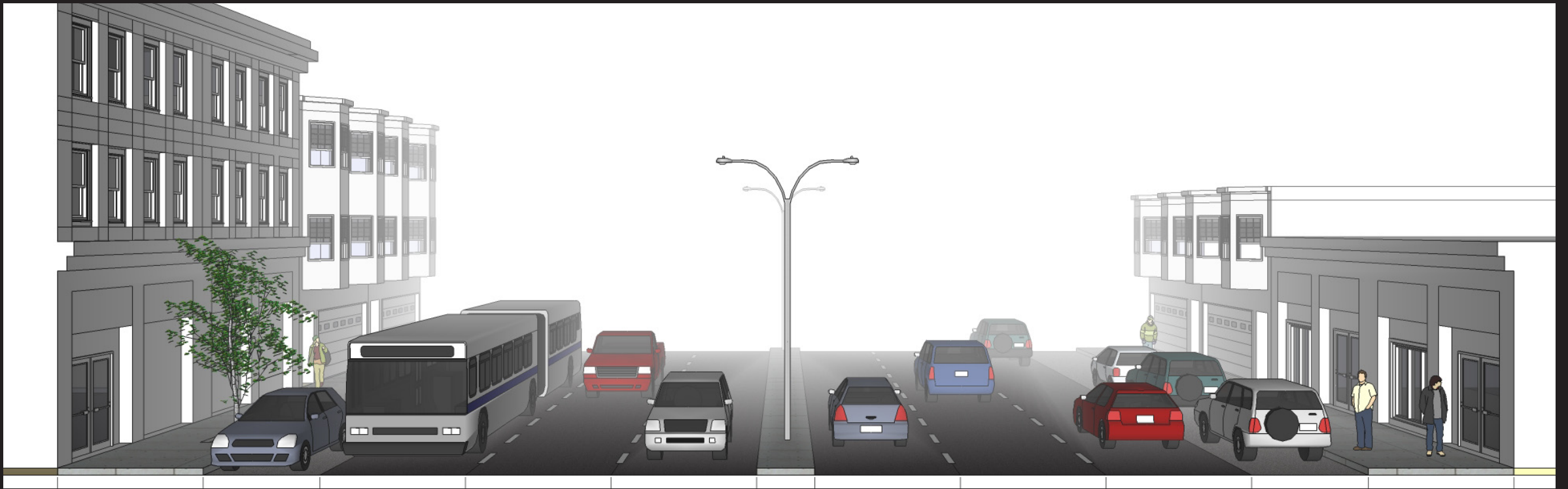
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DESIGN EFFORT

-

IMPLEMENTATION EFFORT





BACKGROUND

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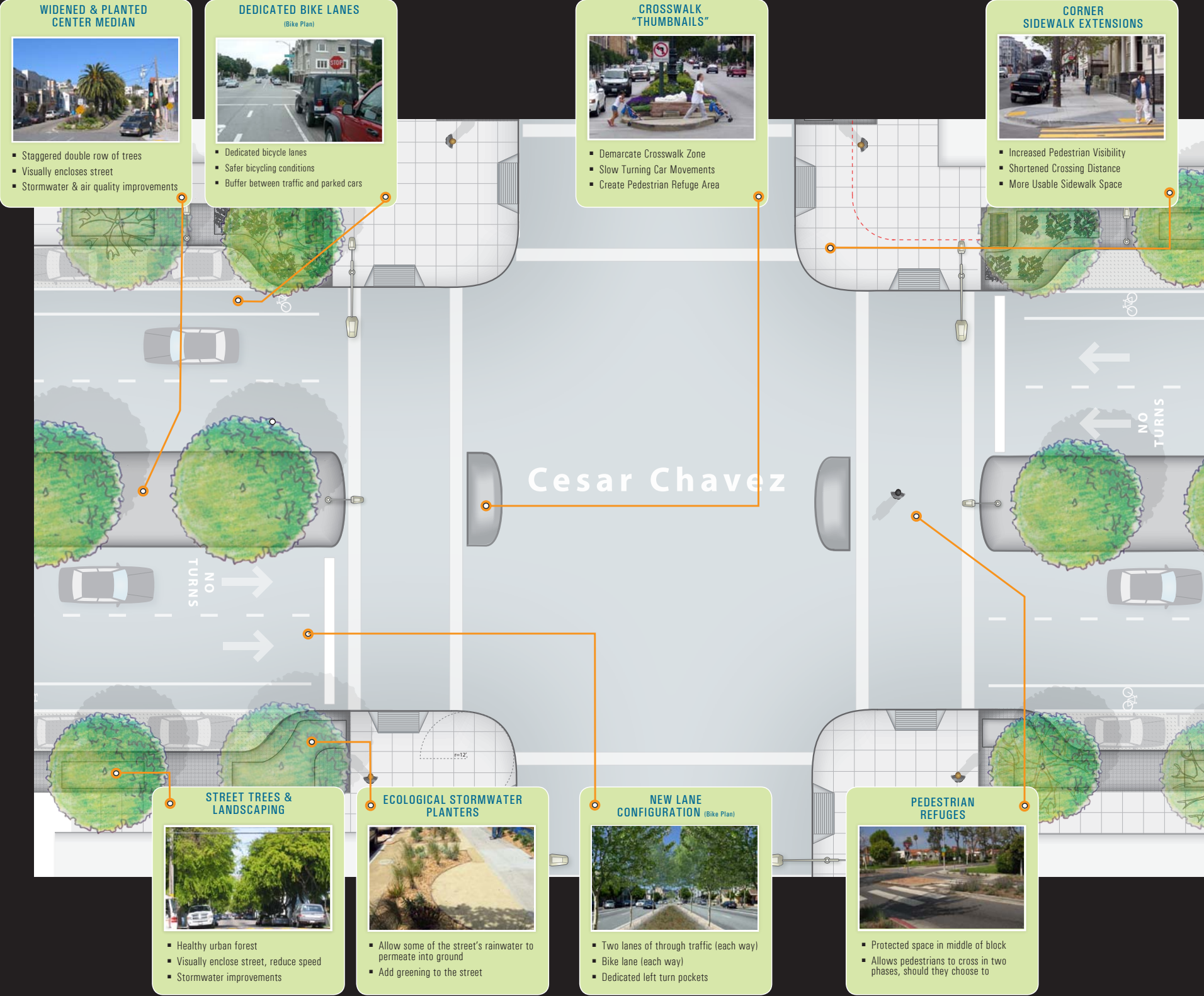
DESIGN EFFORT

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IMPLEMENTATION EFFORT

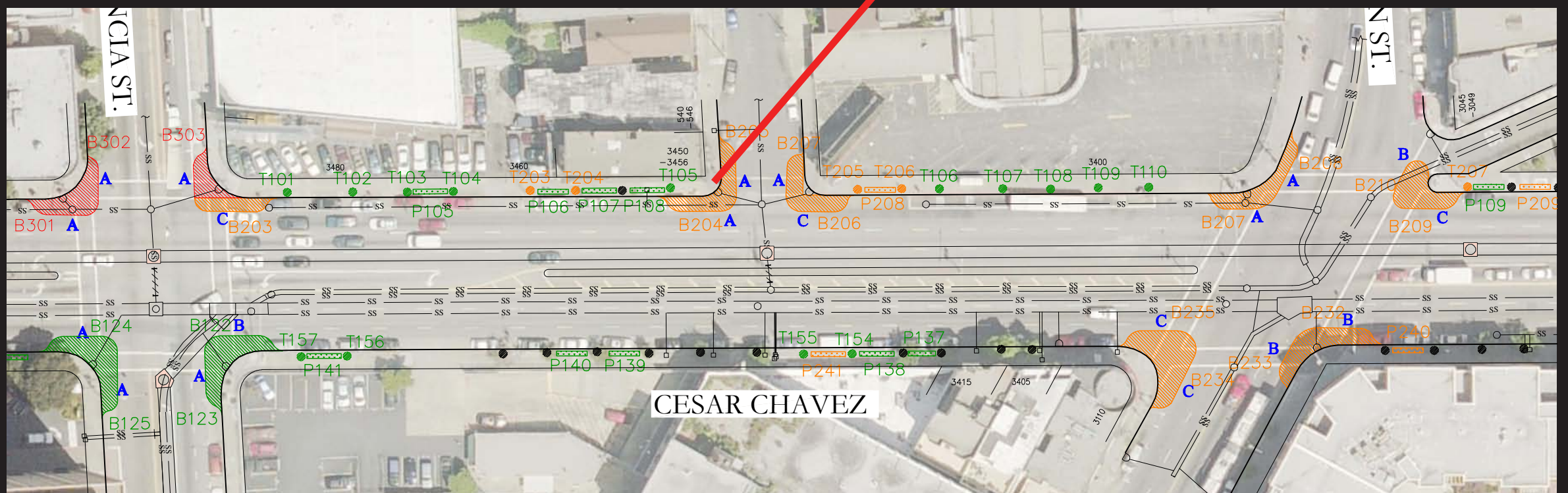
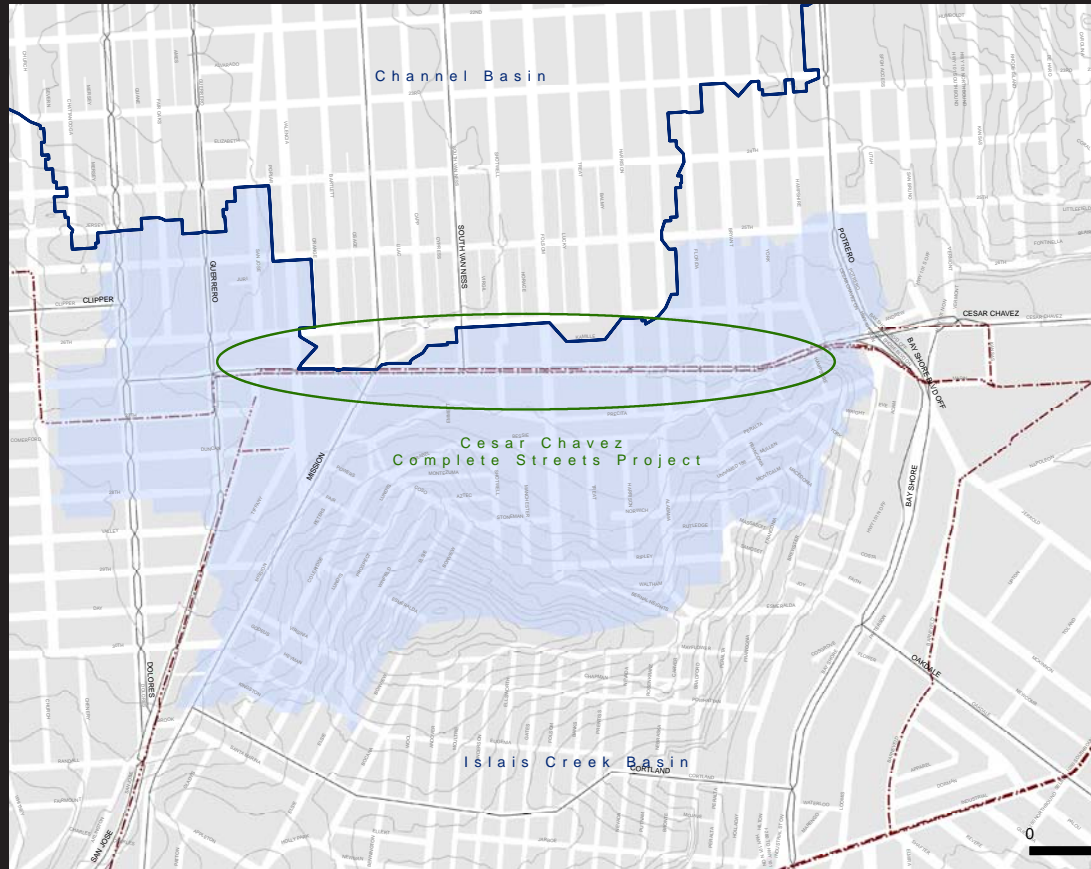


# CESAR CHAVEZ REDESIGN





# LID ANALYSIS (STORMWATER BENEFIT)



BACKGROUND

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DESIGN EFFORT

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IMPLEMENTATION EFFORT



# IMPLEMENTATION COORDINATION

## Innovative Funding

- **FEDERAL SAFE-TEA (DPW)**
- **FEDERAL SRTS (MTA)**
- **PROP K LOCAL SALES TAX (MTA)**
- **US EPA (PLANNING)**
- **CA HCD (PLANNING)**
- **IMPACT FEES (VIA PLANNING)**
- **LID ENHANCEMENTS (PUC)**
- **LIGHTING EFFICIENCY UPGRADES (PUC)\***



# IMPLEMENTATION COORDINATION

## Implementation Goals

- MAXIMIZE COST EFFICIENCIES
- MAXIMIZE PROJECT SCOPE
- MINIMIZE NEIGHBORHOOD IMPACT



# LESSONS LEARNED

- EARLY INTER-AGENCY COORDINATION
- CAPITAL PLANNING
- INCLUSIVE DESIGN EFFORT
- CREATIVE FUNDING OPPORTUNITIES
- CONSTRUCTION COORDINATION







[CESARCHAVEZ.SFPLANNING.ORG](http://CESARCHAVEZ.SFPLANNING.ORG)

SPEED  
LIMIT  
25

America's Most  
Reliable Network

511

WAY

11-07  
100