#### CITY COUNCIL MEETING TUESDAY, FEBRUARY 28, 2017

**PRESENTATIONS** 

#### Item #2 WS 17-008

## Mission Boulevard Corridor Improvements Phase 2 and 3 Project Update

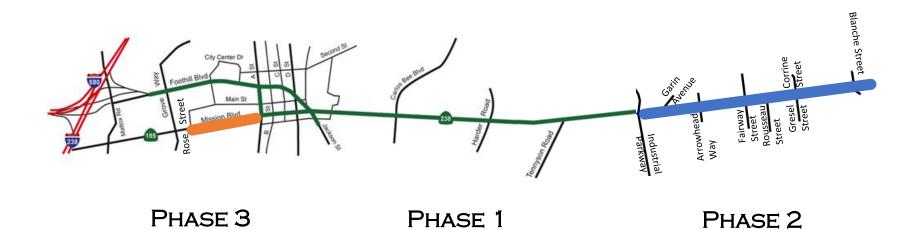


Presentation February 28, 2017

Morad Fakhrai, Director of Public Works



#### MISSION BOULEVARD CORRIDOR





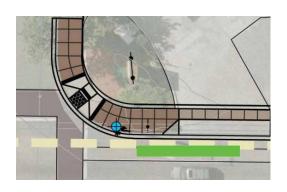
#### **EXISTING CONDITIONS**



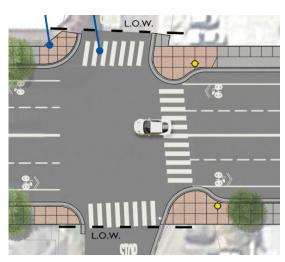
Mission Boulevard Corridor Phase 2 and 3 February 28, 2017



#### PROJECT FEATURES FOR PEDESTRIANS



NEW SIDEWALK, CURB RAMPS



SHORTER CROSSING DISTANCE



PEDESTRIAN SCALE LIGHTING



#### PROJECT FEATURES FOR BICYCLISTS



SMOOTHER PAVEMENT & BIKE LANE



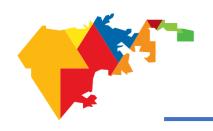
BROKEN GREEN BIKE LANE



SHARED
BIKE/VEHICLE LANE



SIGNS



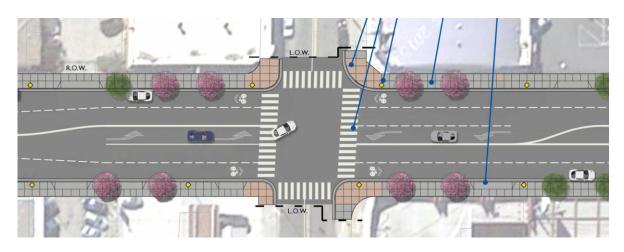
#### PROJECT FEATURES FOR TRANSIT



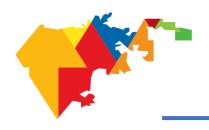
- Bus Shelters
- BETTER LIGHTING
- NEAR SIDE TO FAR SIDE BUS STOPS



#### PROJECT FEATURES FOR MOTORISTS



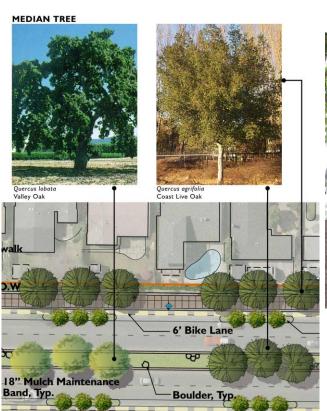
- IMPROVED PAVEMENT
- New Left turn pockets at Sunset Blvd
- LONGER LEFT TURN POCKET STORAGE
- TRAFFIC SIGNAL IMPROVEMENT



#### OTHER DESIGN PROJECT FEATURES



Underground Overhead Utilities



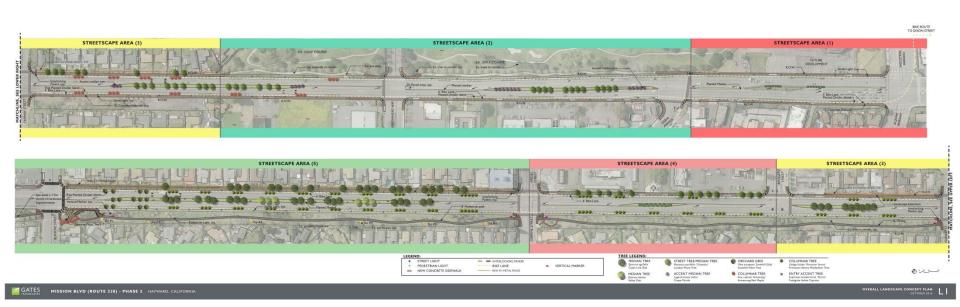


**NEW FENCING** 

LANDSCAPE



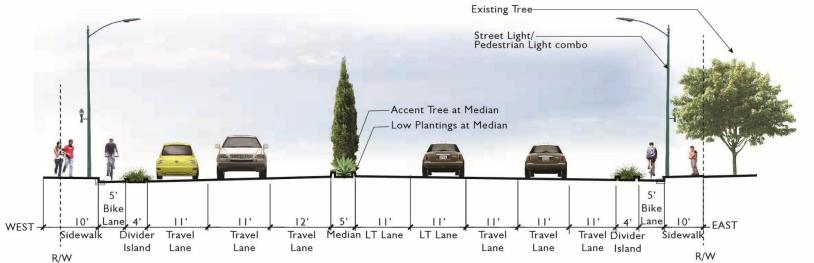
#### PHASE 2 OVERALL PLANS





#### INDUSTRIAL PKWY TO GARIN AVE





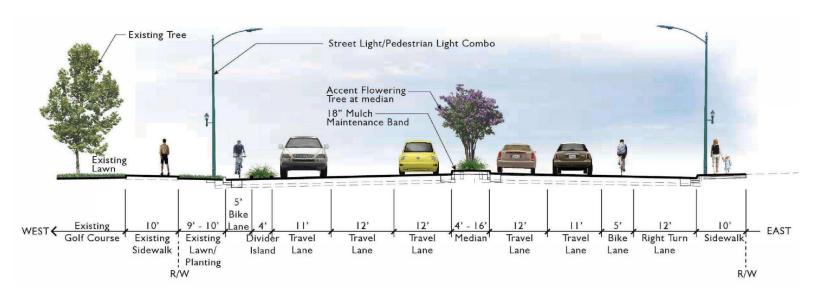
Mission Boulevard Corridor Phase 2 and 3

February 28, 2017



#### GARIN AVE TO ARROWHEAD WAY

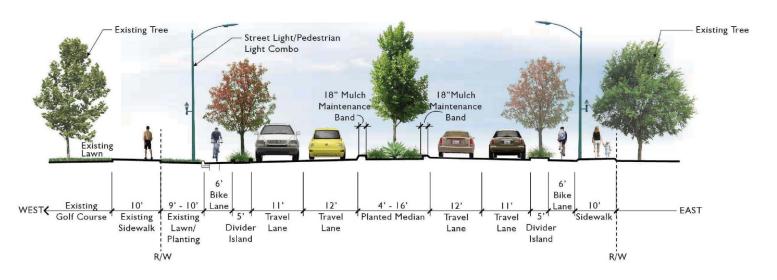


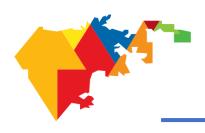




#### ARROWHEAD WAY TO FAIRWAY STREET

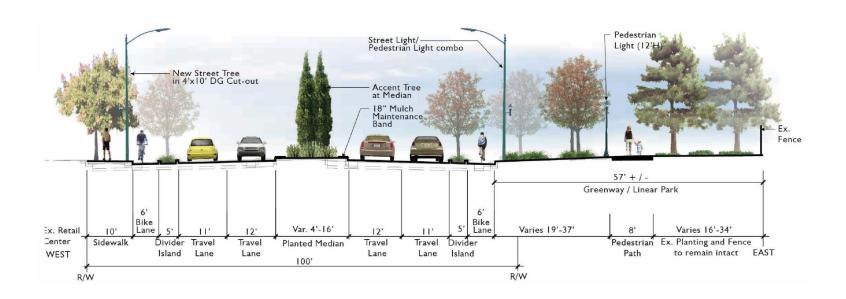






#### FAIRWAY STREET TO GRESEL STREET

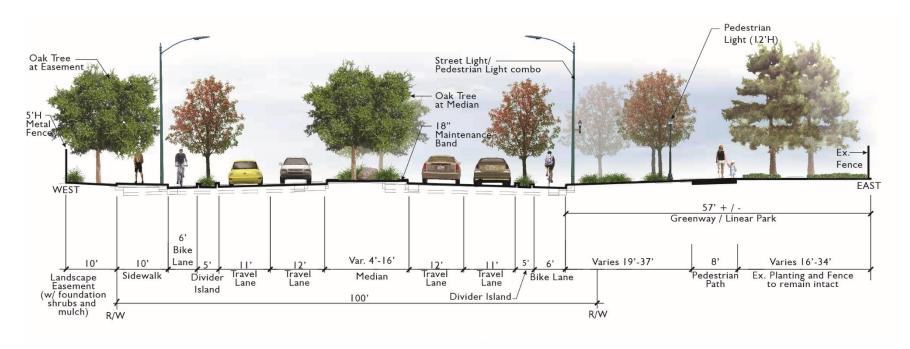






#### GRESEL STREET TO BLANCHE STREET





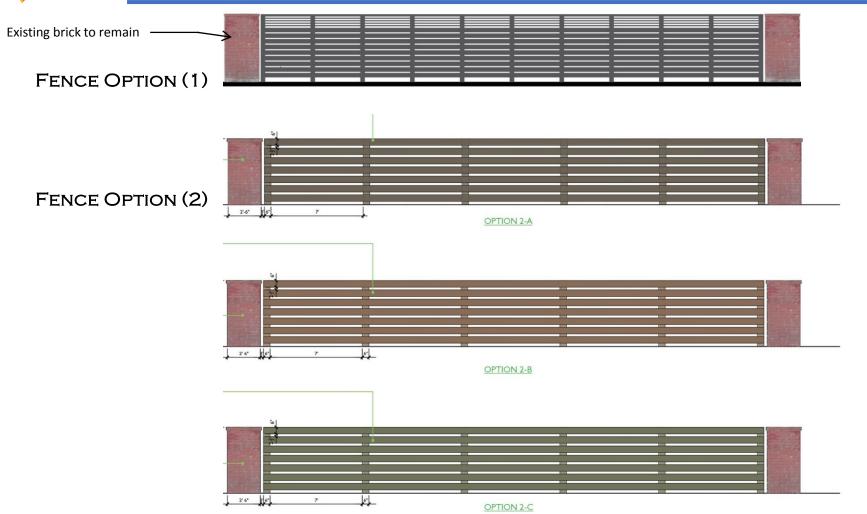


#### **GATEWAY MONUMENT PHOTOSIMULATION**





#### NEW 5' HIGH METAL FENCE





#### **EXISTING GATES**







#### FAIRWAY PARK SIGN OPTIONS



Option 1

Option 2



#### LIGHTING AND SIGNAGE





Mission Boulevard Corridor Phase 2 and 3 February 28, 2017



#### **VERTICAL MARKERS**





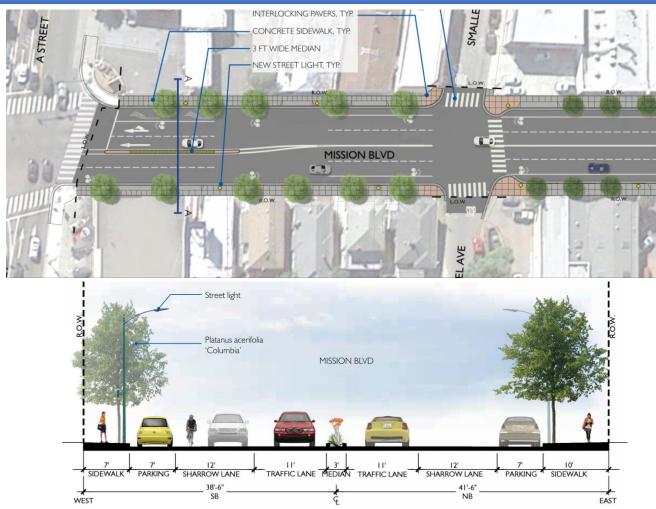
#### PHASE 3 OVERALL PLANS





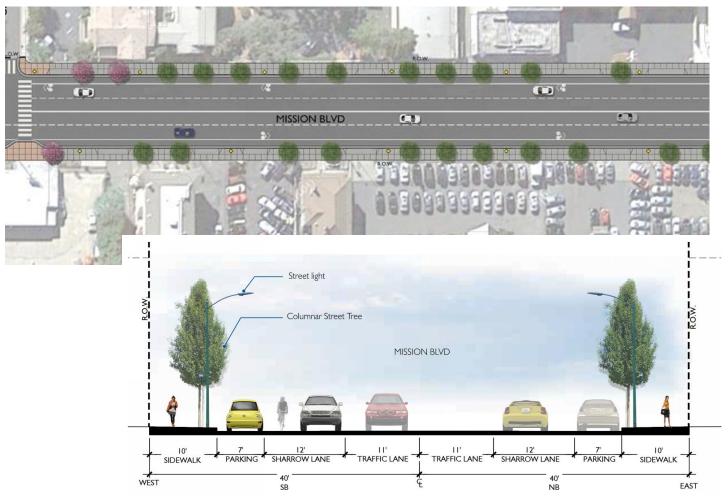


#### **ENLARGED AREA 1**



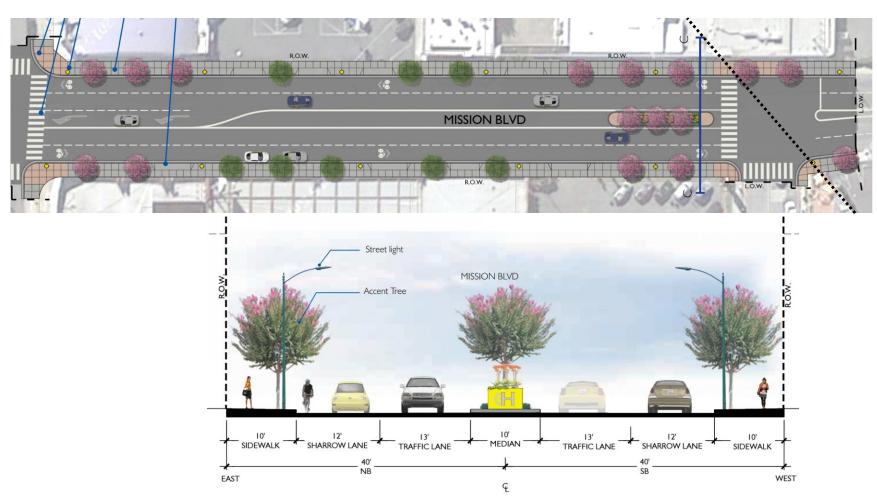


#### ENLARGED AREA 2





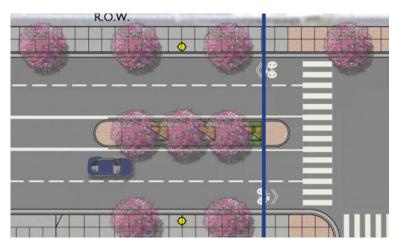
#### ENLARGED AREA 3





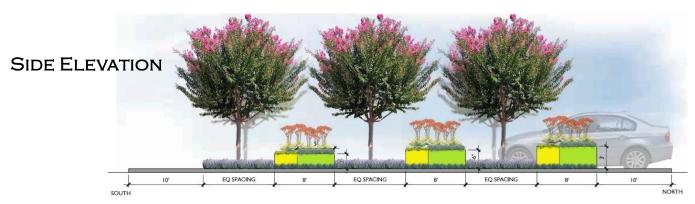
#### MEDIAN AT ROSE STREET

#### PLAN VIEW



#### FRONT ELEVATION







#### TREE CUTOUT TREATMENT

## ALTERNATIVE STREET TREE PLANTING IN CONFLICT WITH THE UTILITY LINE







Mission Boulevard Corridor Phase 2 and 3 February 28, 2017



#### **ESTIMATED PROJECT COSTS**

	Phase 2	Phase 3
Design	\$2,000,000	\$1,000,000
Utility Undergrounding	\$6,000,000	\$5,000,000
Construction	\$22,000,000	\$8,000,000
Construction Administration	\$1,500,000	\$1,000,000
PLA/CWA	\$1,000,000	\$500,000
Project Totals	\$32,500,000	\$15,500,000

#### \$48,000,000

Funding Source	Amount
LATIP	\$21,900,000
Measure BB	\$21,500,000
Rule 20A	\$2,400,000 (est)
Total	\$45,800,000



#### TENTATIVE SCHEDULE

#### PHASE 2

Complete Design May 2017

Begin Work August 2017

Complete Work September 2018

#### PHASE 3

Complete Design October 2017

Begin Work
January 2018

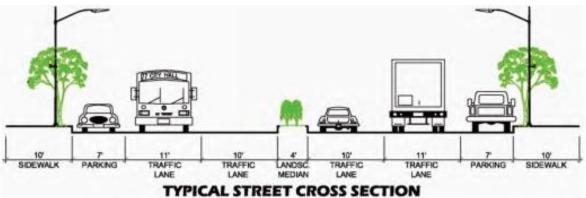
Complete Work
November 2018

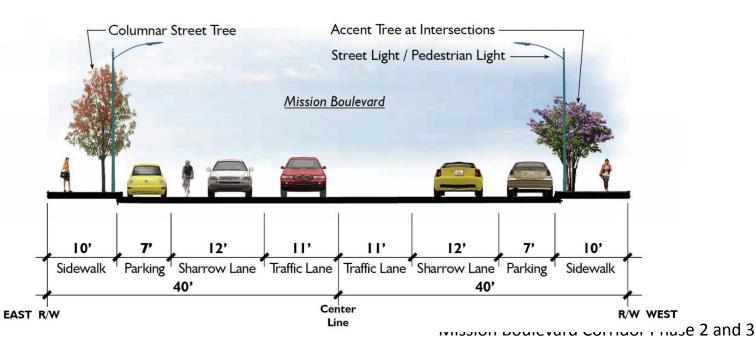


### Questions?



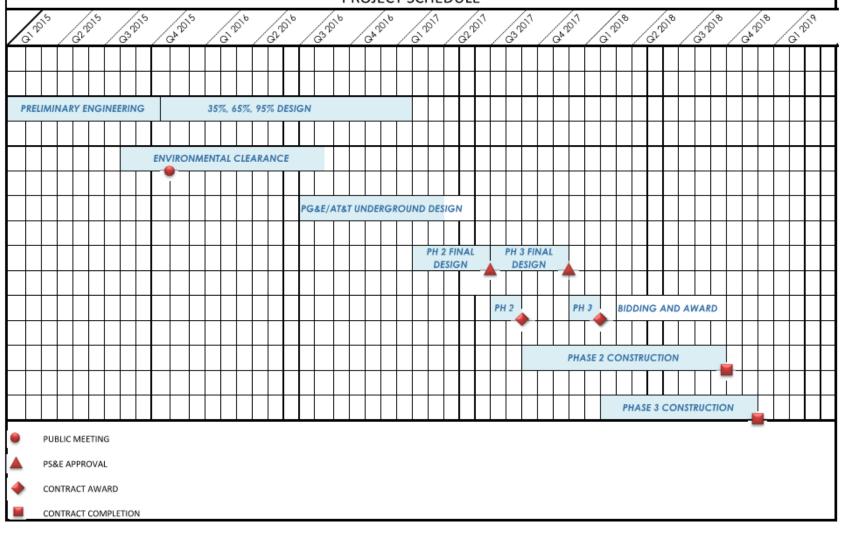






#### SCHEDULE

## PHASE 2 & 3 IMPROVEMENTS PROJECT SCHEDULE



# N

#### MISSION BLVD PHASE 2 & 3 COST ESTIMATE

#### Phase 2 & 3

Construction Contract	\$30,500,000
Consultant Design	\$2,700,000
Staff Design	\$1,400,000
Construction Admin, Inspection, Testing	\$2,400,000
Project Total	\$37,000,000

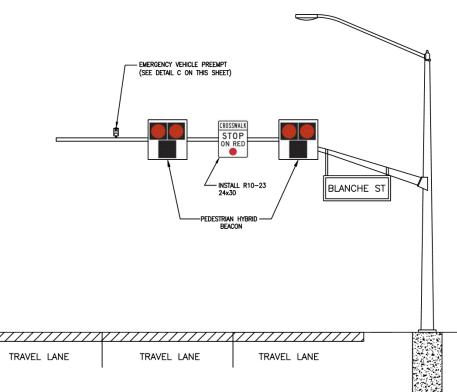
#### Phase 2 & 3 Utility Undergrounding

PG&E	\$6,600,000
AT&T	\$2,500,000
Comcast	\$400,000
Undergrounding Tot	al \$9,500,000

Project Total = \$46,500,000



#### MISSION BLVD AT BLANCHE ST HAWK SIGNAL





Mission Boulevard Corridor Phase 2 and 3 February 28, 2017

Item #3 WS 17-007

**Complete Streets** 



# Central County Transportation Commission Central County Complete Streets Implementation













A presentation to the Hayward City Council February 28, 2017

# Participating Jurisdictions



### What are Complete Streets?

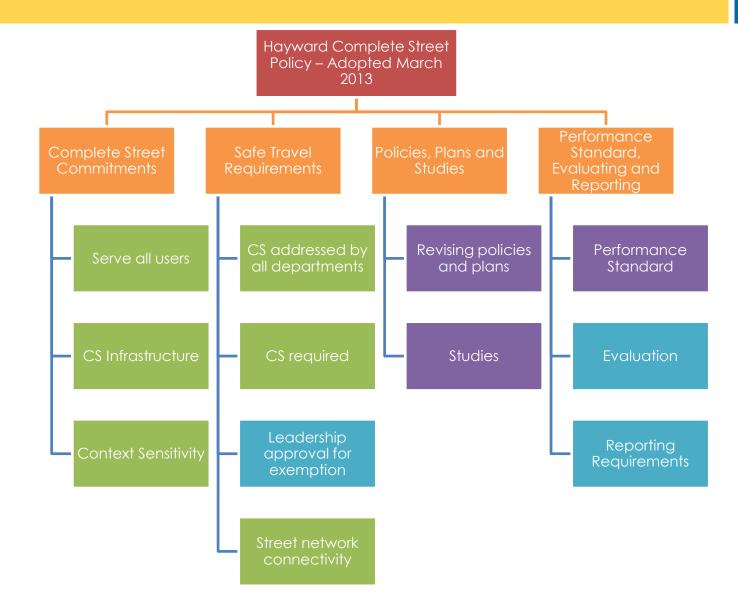


Safe and convenient for all users

## Hayward Complete Streets Policy

- City Council Adopted a comprehensive Complete Streets Policy in March 2013
- Won National Recognition
- Adopted policy addresses
  - All Users and Modes
  - 2. All Project and Phases
  - 3. Context-Sensitive Infrastructure to serve all users
  - 4. Exceptions
  - 5. Performance Standards, Evaluating, and Reporting

# Complete Streets (CS) Policy



### Hayward General Plan

General Plan
Policy Document

#### GOAL M-3

Provide complete streets that balance the diverse needs of users of the public right-of-way. [Source: New Goal; Complete Streets Policy]

- Two primary purposes:
  - Develop tools and processes to implement adopted Complete Streets policy
  - Build internal, external, and cross-jurisdictional stakeholder consensus
- Council indicated Complete Street Implementation as one of the top three priorities in near term

### Internal and External Stakeholders

#### Internal Stakeholders

- Public Works
- Community Development Services
- Maintenance Services
- Police and Fire

#### External Stakeholders

- AC Transit
- BART
- Caltrans
- Bike East Bay
- Business Improvement Boards and Chambers of Commerce
- Seniors/disabled advocates
- Safe Routes to School
- Waste Management

# Complete Streets Opportunities – Stakeholder Interview Findings

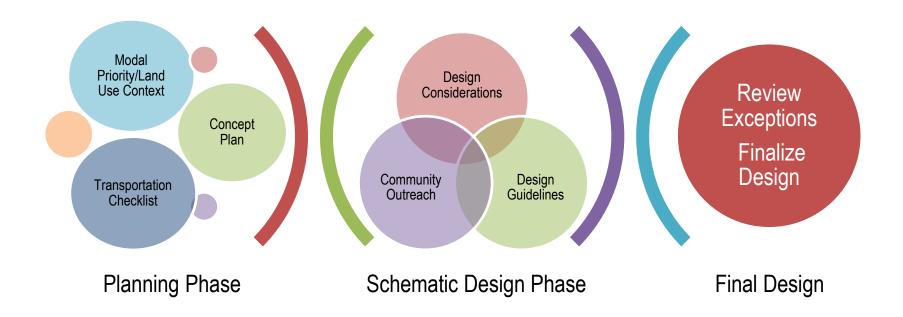
- Address the full range of transportation users (transit, trucks, auto, bike, pedestrians)
- View Complete Streets as routine practice versus as a special project
- Increase staff and stakeholder education opportunities
- Define procedures for coordination between departments

 Provide tools to allow greater design flexibility

 Improve documentation of design considerations, trade-offs and evaluation process

 Establish performance measures and communicate evaluation results to stakeholders

### Project Implementation Tools



## Project Checklists

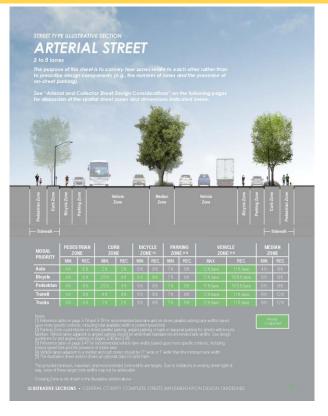
# Transportation Capital Project Checklist

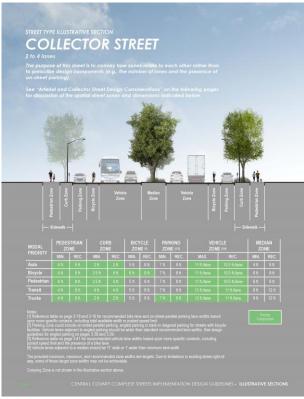
- For use by City staff
- Covers the following project phases:
  - Planning
  - Schematic Design
  - Final Design
  - Construction
- Addresses design tradeoffs for priority modes

#### Private Development Checklist

- For use by City staff and developer/applicant
- Covers the following development phases:
  - Pre-application
  - Construction
- Addresses potential impacts by mode

### Street Type Illustrative Sections





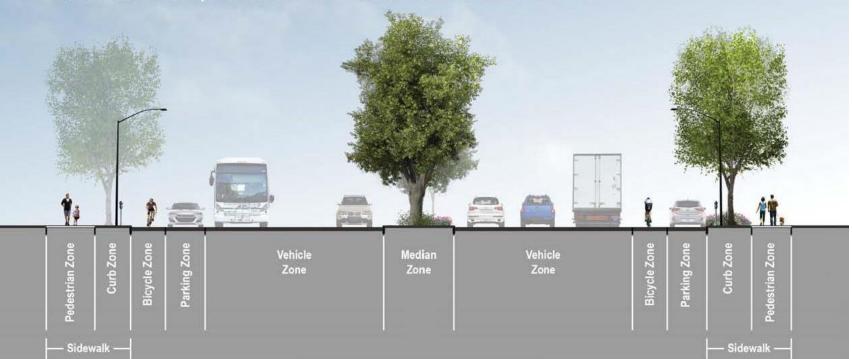


### ARTERIAL STREET

2 to 8 lanes

The purpose of this sheet is to convey how zones relate to each other rather than to prescribe design components (e.g., the number of lanes and the presence of on-street parking).

See "Arterial and Collector Street Design Considerations" on the following pages for discussion of the spatial street zones and dimensions indicated below.



MODAL PRIORITY	PEDESTRIAN Zone		CURB ZONE		BICYCLE ZONE 101		PARKING ZONE [1,2]		VEHICLE ZONE [3.4]		MEDIAN ZONE	
	MIN.	REC.	MIN.	REC.	MIN.	REC.	MIN.	REC.	MAX.	REC.	MIN.	REC.
Auto	4 ft	6 ft.	2 ft.	2 ft	5 ft.	8 ft.	7 ft.	8 ft.	12 ft./lane	11 ft /lane	4 ft.	8 ft.
Bicycle	4 ft	6 ft.	25 ft.	4 ft_	6 ft.	8 ft.	7 ft.	8 ft.	12 ft./lane	10.5 ft./lane	6 ft	8 ft.
Pedestrian	4 ft	8 ft	25 ft	4 ft	5 ft	8 ft.	7 ft.	8 ft.	11 ft./lane	10.5 ft./lane	6 ft.	8 ft.
Transit	4 ft	8 ft.	4 ft_	4 ft.	5 ft.	8 ft	7 ft.	8 ft.	12 ft./lane	11 ft /lane	8 ft.	12 ft.
Trucks	4 ft	6ft	2 ft	2 ft	5 ft.	8 ft.	7ft	8 ft	12 ft./lane	11 ft./lane	8 ft.	12 ft.

# Street Type Design Considerations

#### Bicycle Modal Priority



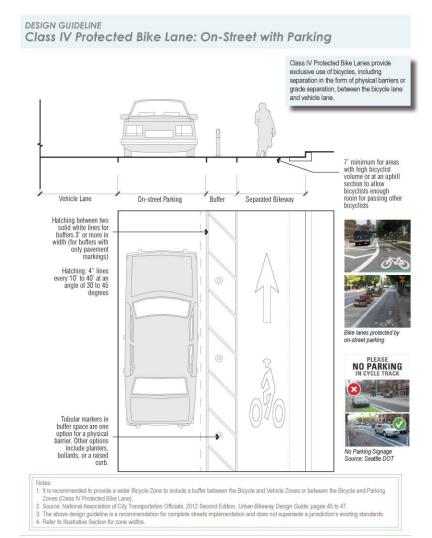
STREET ZONE	DESIGN CONSIDERATIONS
PEDESTRIAN	<ul> <li>Provide a narrower Pedestrian Zone to allow more right-of-way for the bicycle facility in the Bicycle Zone</li> </ul>
CURB	<ul> <li>Provide a wider Curb Zone to accommodate off-street bike parking with bike racks and/or bike lockers, especially in urban and suburban land use typologies with high activity uses. Curb Zone should still allow adequate space for street trees, parking meters, street furnishings, and pedestrian unloading.</li> </ul>
	<ul> <li>Consider incorporating street lighting guidelines to provide visibility and safety for bicyclists</li> </ul>
	<ul> <li>It is acceptable to provide a narrower Bicycle Zone with a Class II Bike Lane with signage on streets with a narrower overall street width</li> </ul>
BICYCLE	<ul> <li>It is recommended to provide a wider Bicycle Zone to include a buffer between the Bicycle and Vehicle Zones and/or between the Bicycle and Parking Zones (Class II Enhanced Buffered Bike Lane or Class IV Protected Bike Lane in an urban land use context). Where opportunity coincides with planning, consider providing a Class I Bikeway.</li> </ul>
	<ul> <li>It is recommended to provide bicycle facility amenties such as blke boxes and green blke lanes in an urban land use context and high conflict areas</li> </ul>
PARKING	<ul> <li>Where parking is provided, allow more total available width to provide a buffer between the bike lane and on-street parallel or angled parking lane</li> </ul>
i idanarana	<ul> <li>Consider back-in angled parking to also help avoid conflicts with adjacent bike facility</li> </ul>
VEHICLE	<ul> <li>Provide narrower vehicle travel lanes to slow traffic for better bicyclist safety and to allow wider right- of-way for bicycle facilities</li> </ul>
MEDIAN	Where there is a median, provide a narrower median to allow more right-of-way for bicycle facilities, but still allocating adequate space for trees, maintenance, and irrigation water efficiency.
	<ul> <li>Design corner treatments with a smaller curb radius to slow vehicle traffic and create more space for bicycle amenties in the Curb Zone, while still accommodating emergency vehicle access and street maintenance</li> </ul>
CROSSING	<ul> <li>Provide protected intersections at high-conflict intersections of streets with Class IV Protected Bike Lanes</li> </ul>
	<ul> <li>It is recommended to provide bike detection, bike boxes, and green bike lanes in high conflict areas</li> </ul>

Bike Racks and Lockers	p. 3-38	Street Lighting	p. 3-13	Class II and Class II	pp. 3-20
				Enhanced Buffered Bike Lanes	to 3-27
Class II Bike Lane Signage	p. 3-23	Class IV Protected Bike Lanes	pp. 3-31 to 3-35	Class I Bikeway	p. 3-19
Bike Box	p. 3-36	Green Bike Lane	p. 3-28	Total Available Width	p. 3-21
On-street Parallel Parking	p. 3-40	On-street Angled Parking	p. 3-41	Back-in Angled Parking	p. 3-42
Corner Treatments	p. 3-52	Protected Intersection	p. 3-53	Bike Detection	p. 3-37

## Design Details

Dimensional standards included on details

- Additional text:
  - Purpose/goal of treatment
  - Appropriate application



## Project Benefits

- Streamline internal processes
- Identify Complete Streets project opportunities earlier in the process
- Track projects through construction and maintenance
- Bring transparency to implementation process

### Next Steps

Complete Street Policy -Adopted





Implementation Process -Developed

## Complete Streets Strategic Action Plan

- Policy/Guidelines/Planning Documents
  - Bicycle Masterplan Update
  - Pedestrian Masterplan
  - Multimodal Level of Service Policy
  - Performance Measures
  - Citywide Intersection Imp. Study
- Education
  - Training for Staff
  - Community Outreach
- Funding
  - Capital cost
  - Identifying funding sources

# Council Input

- Questions/Feedback from Council
  - □ Is the overall process for identifying and incorporating complete streets projects adequate?
  - □ Does Council want to see additional elements included in strategic action plan?
  - ☐ Any other questions/suggestions from Council?

#### Item #4 WS 17-006

#### **Complete Communities**



# Complete Communities

City of Hayward, Development Services Department City Council Work Session February 28, 2017

# What is a "Complete Community"?

### From our General Plan Land Use Chapter:

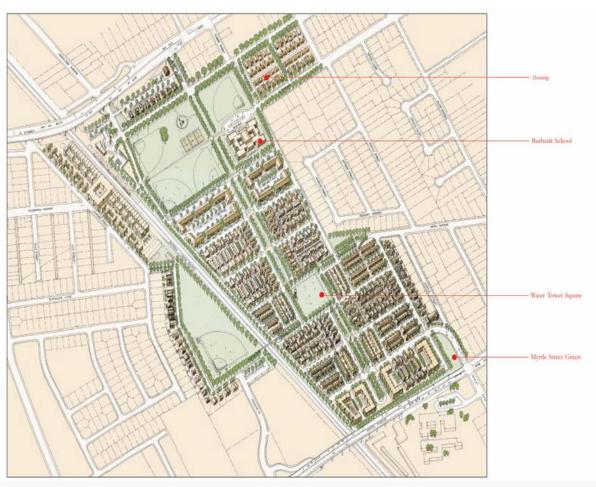
"Complete neighborhoods meet the daily needs of residents and provide a mix of amenities, including pedestrian- and bicycle-friendly streets, parks, community centers, day care centers, community gardens, affordable housing, libraries, and neighborhood commercial and service uses."

# From the Hayward 2040 General Plan Vision Statement

- "Hayward will be a distinct and desirable community known for its central Bay Area location, vibrant Downtown, sustainable neighborhoods, excellent schools, robust economy and growing reputation as a college town"
- "It will be *a destination* for life-long learning, entertainment, arts and culture, recreation, and commerce"
- "It will be *a community* that values diversity, social equity, transparent and responsive governance, civic engagement and volunteerism"

# General Plan Chapters Supporting Complete Communities

Land Use



Source: Hayward General Plan 2040

# High Priority Land Use Chapter Implementation Programs

- LU-I: Comprehensive Zoning Code Update (Not started)
- LU-2: Comprehensive Subdivision Ordinance Update (Not started)
- LU-15: State Historic Building Code (Complete)
- LU-4: Downtown City Center Specific Plan (Funding and in progress)
- LU-10: Sign Ordinance Update (Re-Prioritized and completed)
- LU-I I: Industrial Technology and Innovation Corridor Plan (Re-Prioritized and in progress Industrial District Zoning Regulations Update)
- LU-16: Mills Act Program (Re-Prioritized and completed)

# General Plan Chapters Supporting Complete Communities

- Land Use
- Mobility



Source: Hayward General Plan 2040

# High Priority Mobility Chapter Implementation Programs

- M-I: Multimodal LOS and Design Standards (In Process)
- M-2: Multimodal LOS Guidelines (In Process)

- M-6: Complete Streets Assessment (Re-Prioritized and in progress)
- M-8: Complete Streets Evaluation (Re-Prioritized and in progress)
- M-I0:Traffic Calming Measures (Funding/Re-Prioritized and in progress)
- M-II: Pedestrian Master Plan (As part of the Downtown Specific Plan Re-Prioritized and in progress)
- M-I2: Shuttle Service Study (Funding/Re-Prioritized and in progress)
- M-21: Downtown Parking Management Plan (Funding/Re-Prioritized and in progress)

# General Plan Chapters Supporting Complete Communities

- Land Use
- Mobility
- Economic Development



Source: Hayward General Plan 2040

# High Priority Economic Development Chapter Implementation Programs

- ED-2: Branding and Marketing Program (Completed; ongoing)
- ED-4: Business Resource Center and Website (In process)
- ED-7 Local Hire Incentives (Not started)
- ED-9: Business Attraction, Expansion, and Retention Program (Complete)
- ED-10:Town-Gown Partnership (In Process)
- ED-12: Customer Service Survey (Not started)
- ED-13: Permit Processing Software (In Process)
- ED-14: Ombudsperson Service (Completed)

# General Plan Chapters Supporting Complete Communities

- Land Use
- Mobility
- Economic Development
- Education and Life-Long Learning



Source: Hayward General Plan 2040

# High Priority Education and Life Long Learning Chapter Implementation Programs

- EDL-2: Education Partnership (In Process)
- EDL-5: Public School Marketing Campaign (In Process)
- EDL-7: Library Bond (Complete)

# Elements Supporting Complete Communities

- Land Use
- Mobility
- Economic Development
- Education and Life-Long Learning
- Community Health and Quality of Life



Source: Hayward General Plan 2040

# High Priority Community Health and Quality of Life Chapter Implementation Programs

• HQL-8: Park Dedication Requirements and In-Lieu Fees (In Process)

# General Plan Chapters Supporting Complete Communities

- Land Use
- Mobility
- Economic Development
- Education and Life-Long Learning
- Community Health and Quality of Life
- Housing



Source: Hayward General Plan 2040

# High Priority Housing Chapter Implementation Programs

- H-8:Affordable Housing Development (Ongoing)
- H-9: Density Bonus (Ongoing)
- H-I I:Affordable Housing on Large Sites (Ongoing)
- H-I2: Inclusionary Housing Ordinance (Ongoing)
- H-14: Child Care Services and Facilities (Not started)
- H-16: Universal Design Principles (Not started)
- H-18: Boomerang Funds (Not started)
- H-21: Outreach to Developmentally Disabled (Ongoing)



# Questions To Consider

Complete Communities Policy Discussion

## **Questions:**

- Does the General Plan set out to achieve the concept of a Complete Community?
- Does Council agree with the prioritization of implementation programs?
- Any other programs/projects that Council wishes to prioritize earlier than originally envisioned with the General Plan?
- Any new programs/projects that Council believes would help the City become a Complete Community?

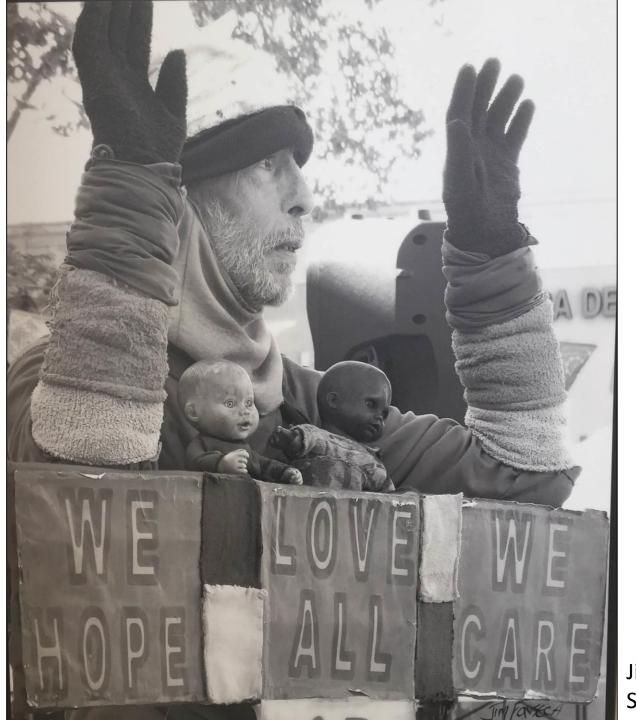


# Discussion and Feedback

Complete Communities Work Session



# Dan Henriquez



Jim Fonseca Street Performer Photography