Freeway Rethink

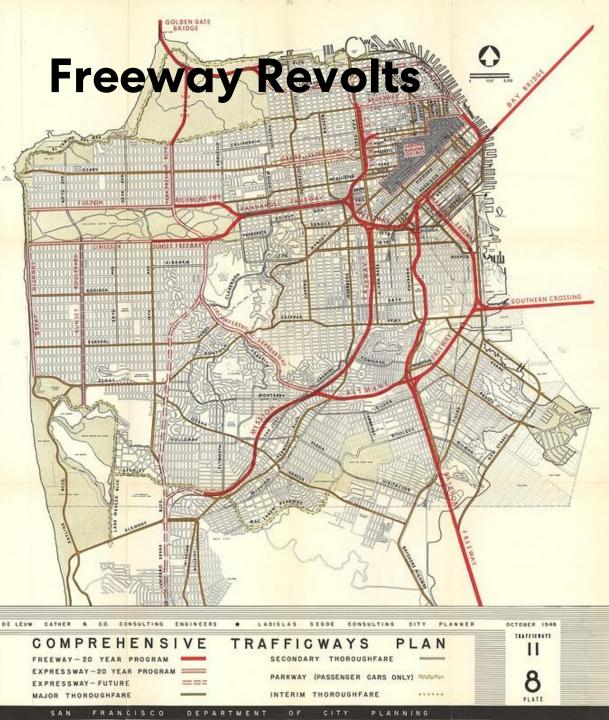
Burying Hospital Curve and Removing the Central Freeway

November 17, 2022

ARUP Perkins&Will multistudio

Agenda

- 1. San Francisco Freeway Revolts
- 2. Goals & Values
- 3. US-101 Cesar Chavez to 5th
- 4. Central Freeway
- 5. Next Steps & Discussion









1960s



Freeway Revolts







Octavia Boulevard

Key Facts

Completed in 2002

Elevated Segment 1 mile

Rough cost \$100 million

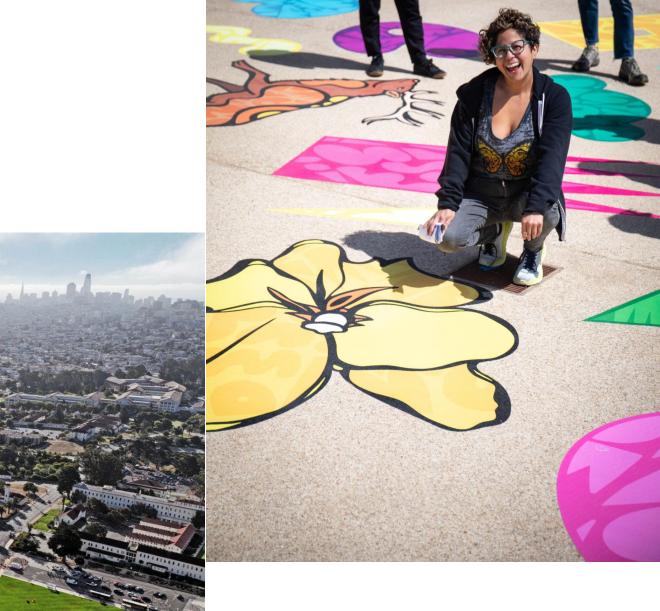
7 sites with 100% affordable housing, 15 sites with some affordable housing; primarily five-story mixeduse residential

Significant open space added

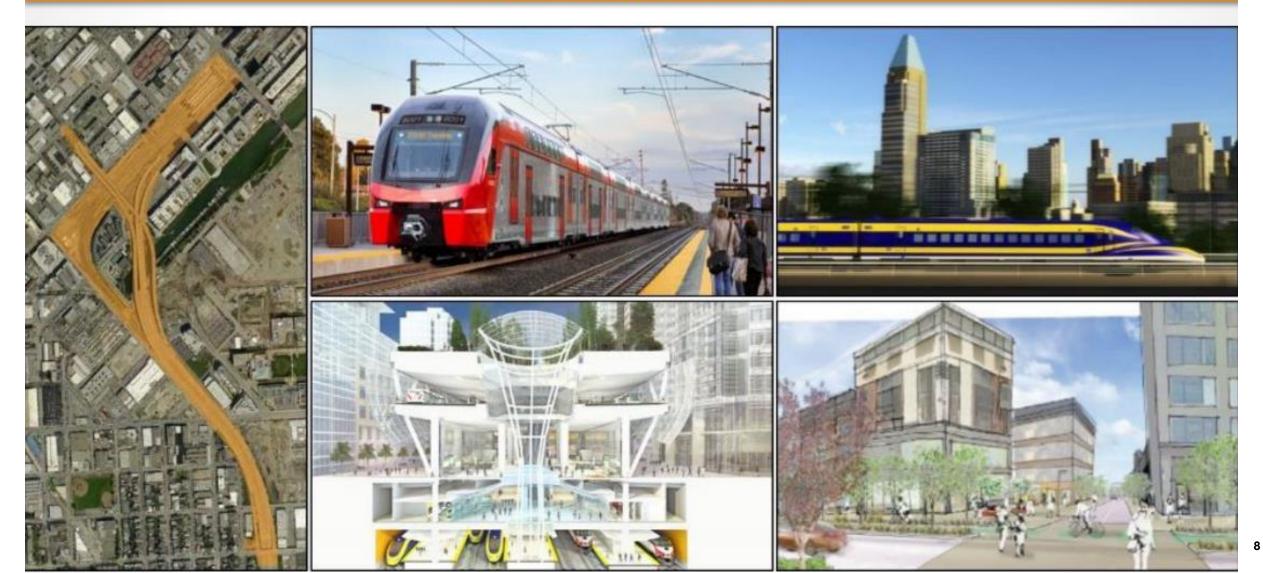
Land sales supports neighborhood transportation and street improvement projects



Presidio Parkway Tunnel Top Parks



RAILYARD ALTERNATIVES & I-280 BOULEVARD (RAB) FEASIBILITY STUDY



USDOT Leadership

Secretary Buttigieg Introduces the RCP Program



"There are areas where the number of square feet of asphalt in a city ought to go down, and we ought to be supporting that kind

– Secretary Buttigieg, March 2021

long term."

of right-sizing if a local

that's beneficial for the

community sees that

Goals and Values

Cities across America are rethinking freeways that rip apart neighborhoods.

Project Completed

Project Underway



Promoting Health and Livability over Auto Convenience

Perkins&Will

Fundamental Values

for Reclaiming Urban Freeway Infrastructure

Ŕ7 Equitable Visionary **Environmental Economic City-Building** Placemaking Opportunity Resilience 0

Equitable City-Building

- Facilitate inclusive engagement between residents, stakeholders, and policy-makers
- Prioritize livability for our most vulnerable communities
- Produce attainable and affordable housing
- Repair neighborhood social fabric



Visionary Placemaking

- Create accessible public space
- Enable demographic and socioeconomic mixing
- Enhance health & wellbeing of the people and the community



Environmental Resilience

- Prioritize the needs of transit-dependent communities
- Create safe, all-ages, people-powered mobility options
- Infuse nature and open space



\$\$\$ Economic Opportunity

- Ensure a fiscally responsible approach
- Leverage value capture
- Invest in the long-term economic success of communities of color
- Increase access to capital for local business and entrepreneurs

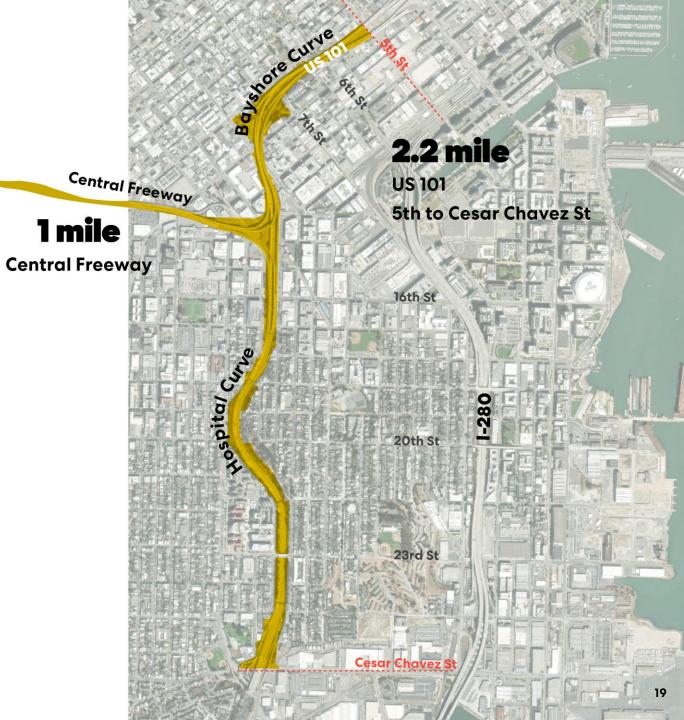


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US-101 Cesar Chavez to 5th

Opportunity Reclaiming Lost Land

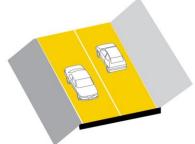
- 2.2 miles of Bayshore Curve and Hospital Curve from 5th Street to Cesar Chavez Street
- 1 mile of Central Freeway



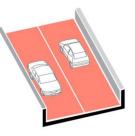
US-101 Configuration



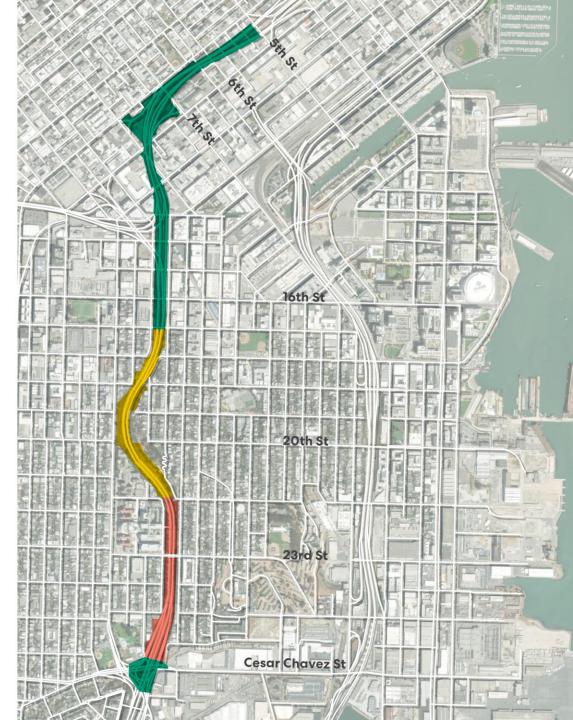
Primarily on Viaduct



Primarily at Grade



Primarily in Trench







→ 1938



Today's Freeways on 1938 Neighborhood Fabric

Limited Connectivity



22nd St Pedestrian Bridge Crossing



23rd St Bridge Crossing



SEASE

← Existing Conenction Ped/Bike Bridge Crossing

Constrained Connectivity

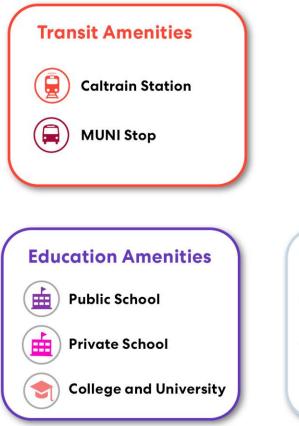




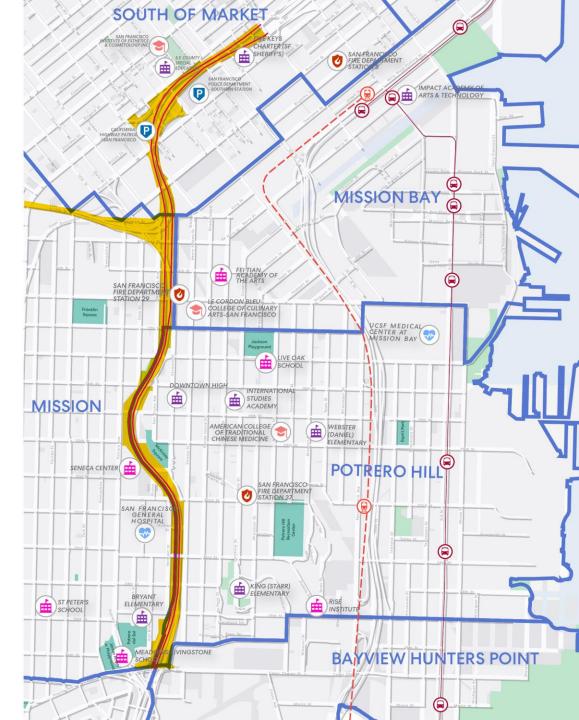




Existing Assets and Neighborhood

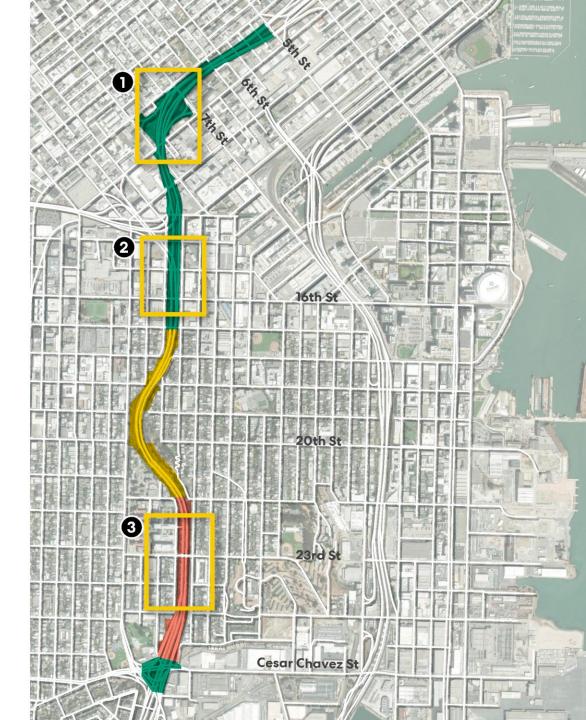






Existing Right-Of-Way

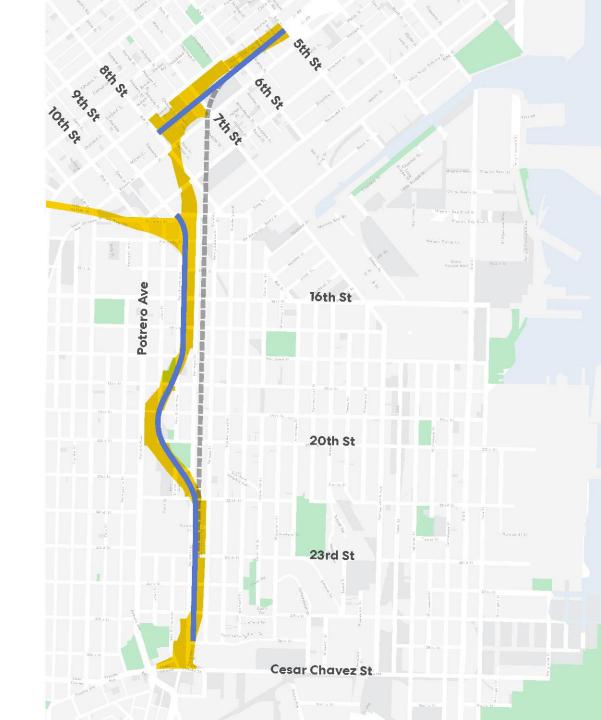




US-101 Rethink

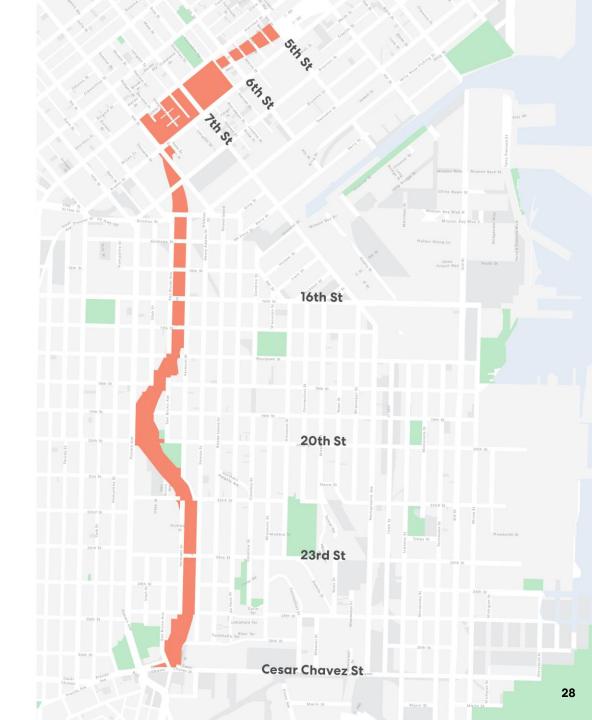
Burying Hospital Curve in a New Alignment

- Burying Hospital Curve freeway segment below Potrero Hill.
- Configuring a new at-grade boulevard in place of the freeway.
- Leaning on underutilized vehicle capacity on Potrero Avenue.



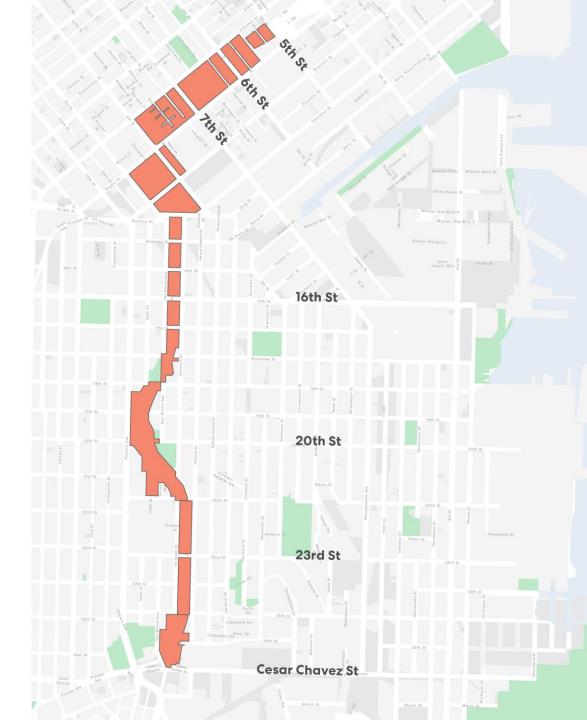
US-101 Opportunity Reclaiming Urban Land

Freeway right-of-way removal frees up approximately **66 acres** of land.



US-101 Opportunity Reclaiming Urban Land

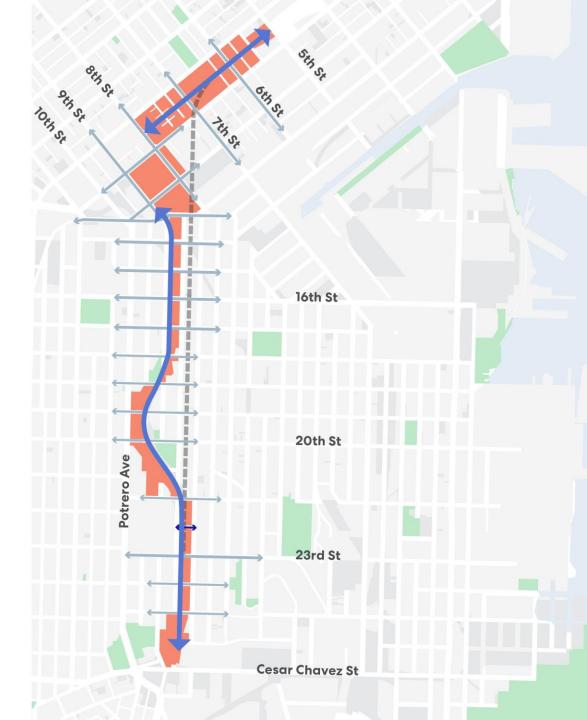
Freeway right of way and associated underutilized parcels within the block results in approximately **80 acres** of available land.



US-101 Opportunity

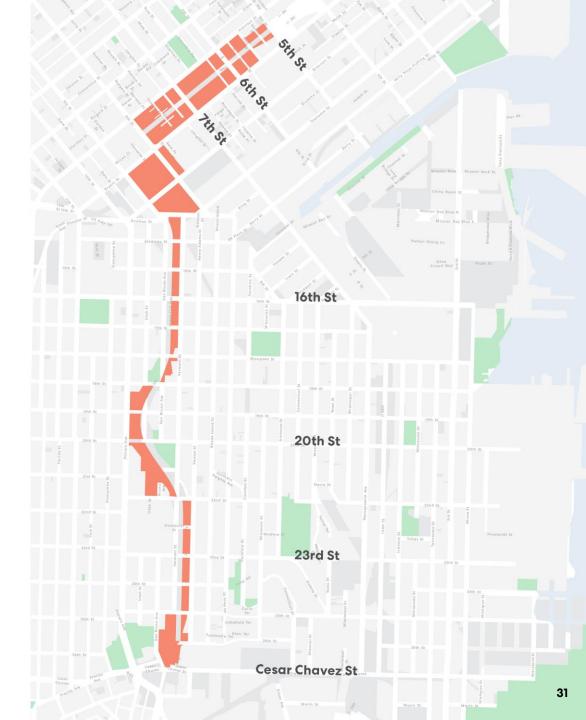
Introducing an Urban Boulevard

Configuring a new at-grade boulevard in place of the freeway and re-establishing the lost connectivity re-stitches severed neighborhoods.



US-101 Opportunity Reclaiming Urban Land

The space take for a new north-south boulevard and new east-west street connectivity leaves approximately **67 acres** of available land.



Mixed Density Scenario

LL! and	D	
High	ver	isity

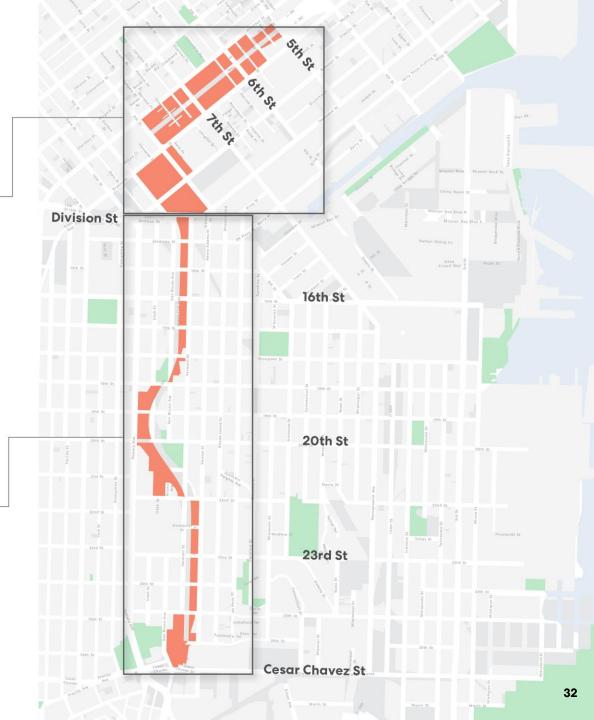
5TH TO DIVISION ST	36 ACR	ES
DENSITY	250 DU/	ACRE
UNITS YIELDS	8,900 UNI	TS

Mix of Low&Medium Density

DIVISION ST TO CESAR CHAVEZ	31	ACRES
DENSITY	130	DU/ACRE
UNITS YIELDS	4,100	UNITS

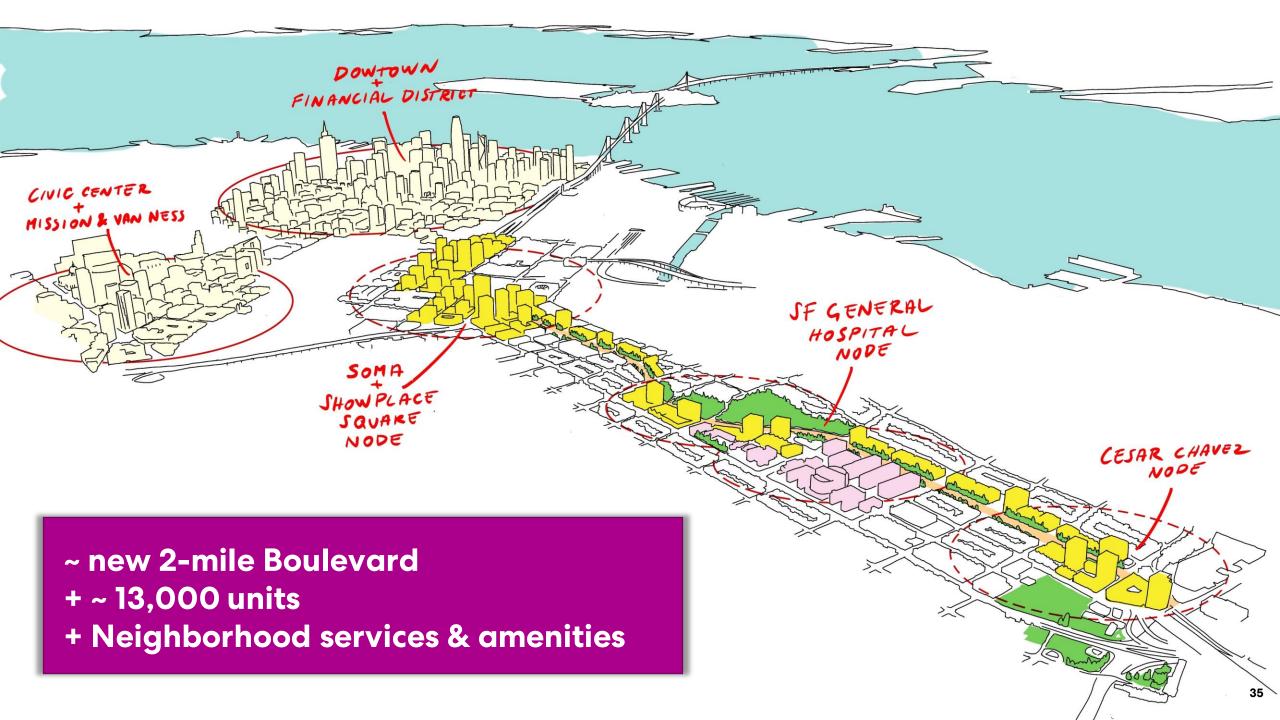
TOTAL UNITS

13,000 UNITS









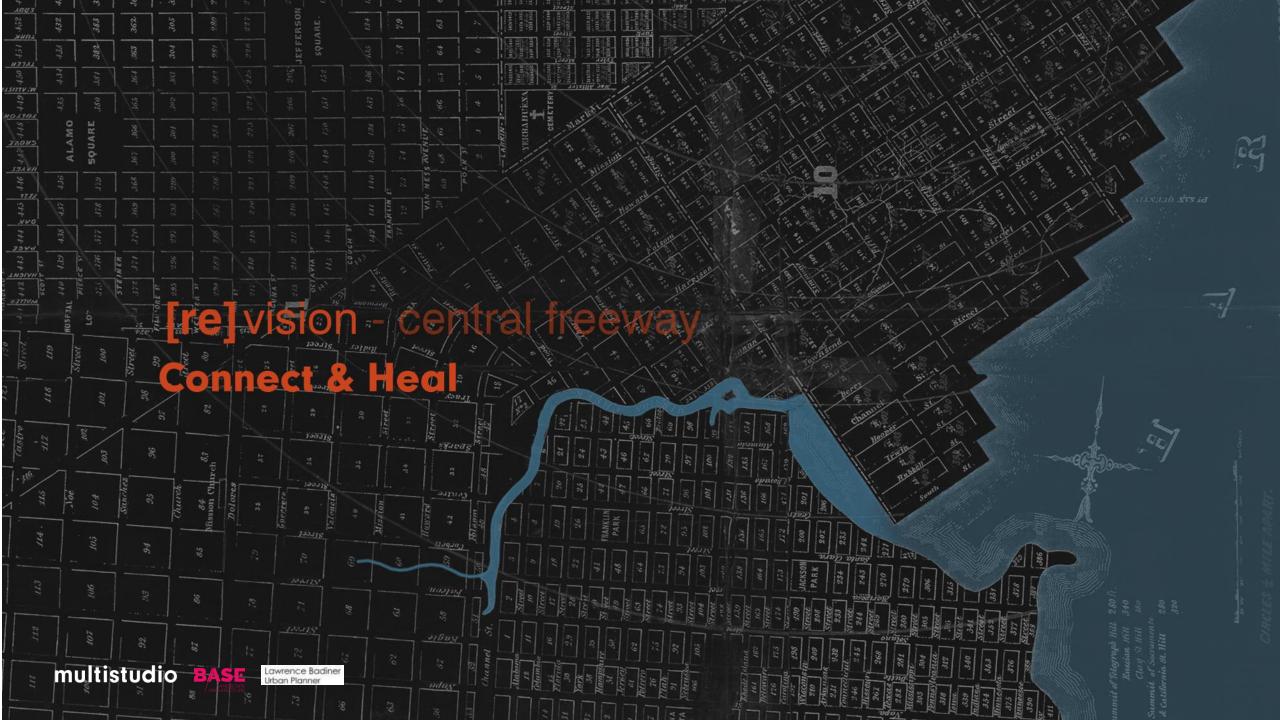
Communities of Low Carbon Lifestyle

Perkins&Will

Places of Strong Cultural Identity & Economic Vitality



Central Freeway



Our Team



Bob Baum

Principal and

Board Member

Multistudio



Teresa Jan Director of Climate Positive Design Multistudio

Sean Zaudke Principal Multistudio



Patricia Algara Founding Principal BASE Landscape Architecture Larry Badiner Urban Planner Badiner Urban Planning



Liz Thelen-Torres

Associate Principal, Director of Business Development **Multistudio**





Aerial View, 1993 (Central Freeway completed 1959)

multistudio

Lawrence Badiner Urban Planner



















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Aerial View, 2020

multistudio

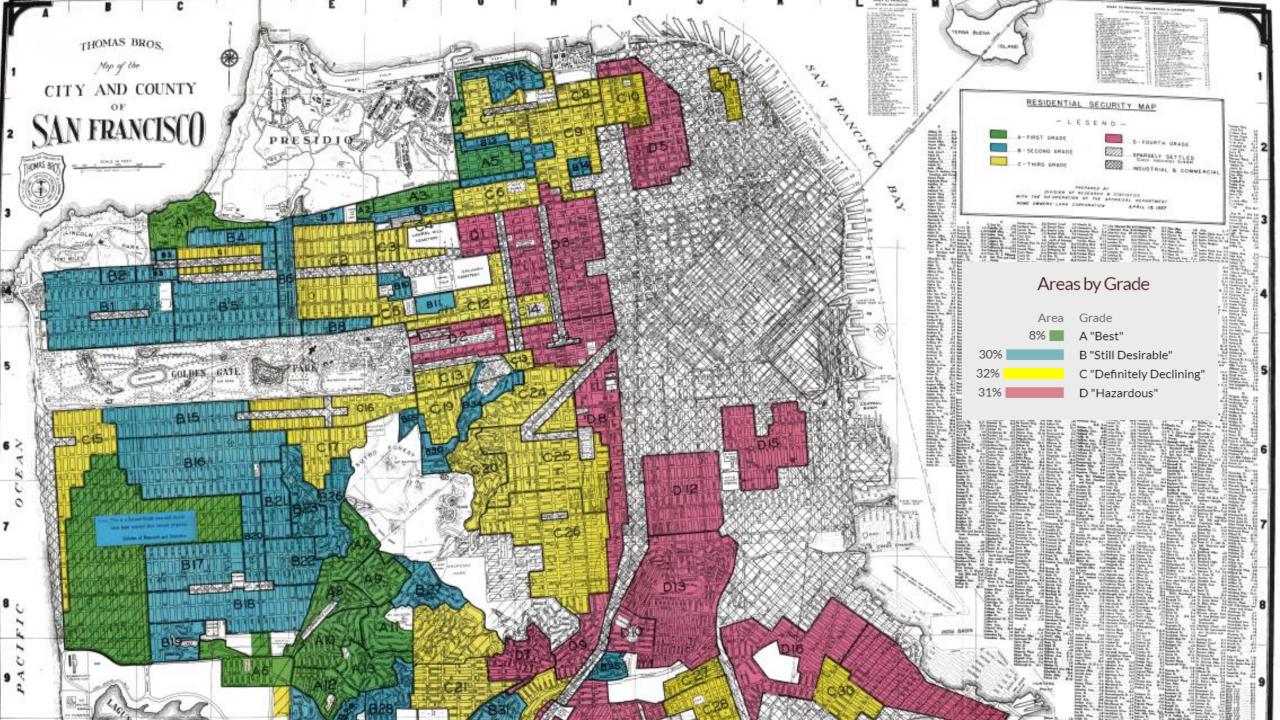
Lawrence Badiner Urban Planner



1700 Mission: Today

The Intersection of Duboce and Mission, 2022







Environmental Justice Burden



Noise Pollution Source



Air Pollution Source

CENTRAL FREEWAY

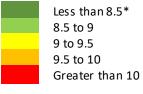
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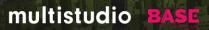
Particulate Matter

Average annual concentration in micrograms per cubic meter of air

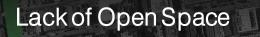


*does not occur in this region

Source: SFDPH, BAAQMD







SOMA West Skatepark

Lawrence Badiner Urban Planner Central Freeway

Moderate Priority High Priority

Existing Open Space

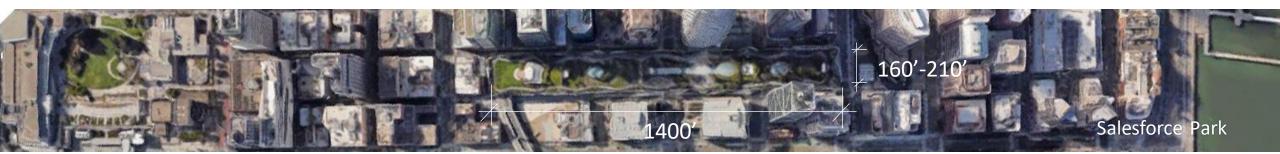
multistudio **BASE**

Daylighting Mission Creek



Urban Park Scale Comparison





3750



Unique local Culture and Vibrancy

























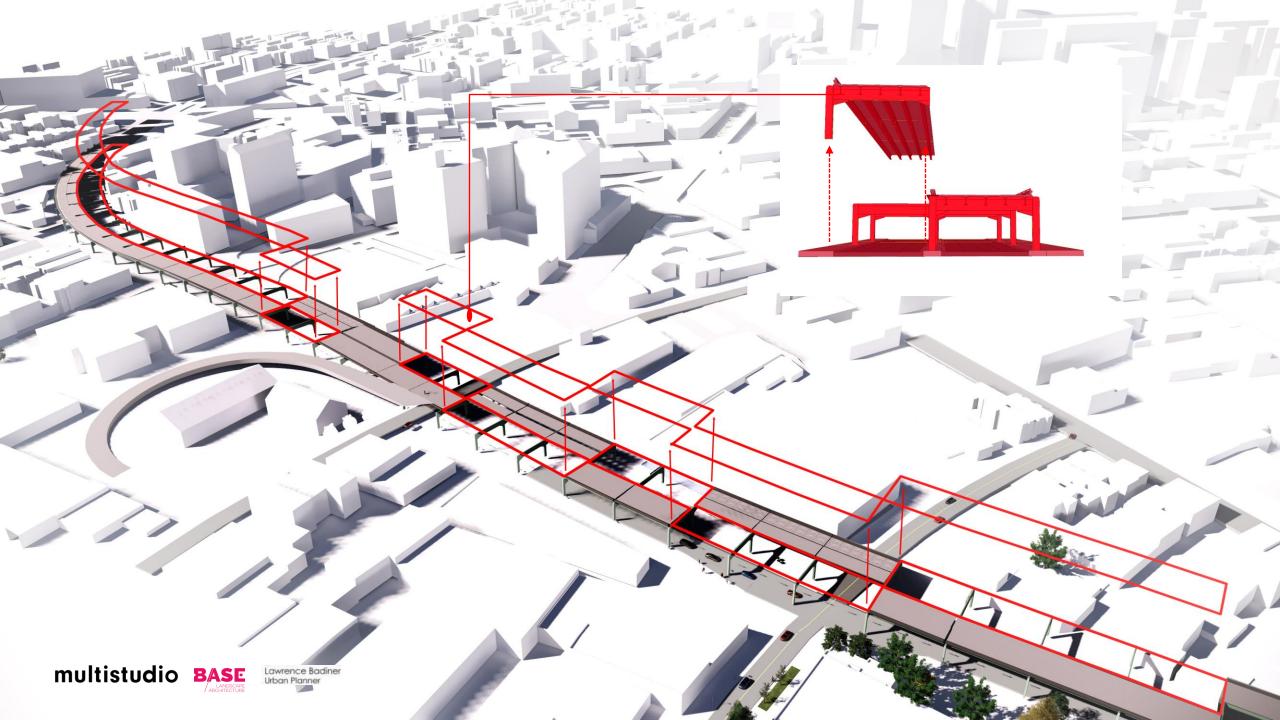


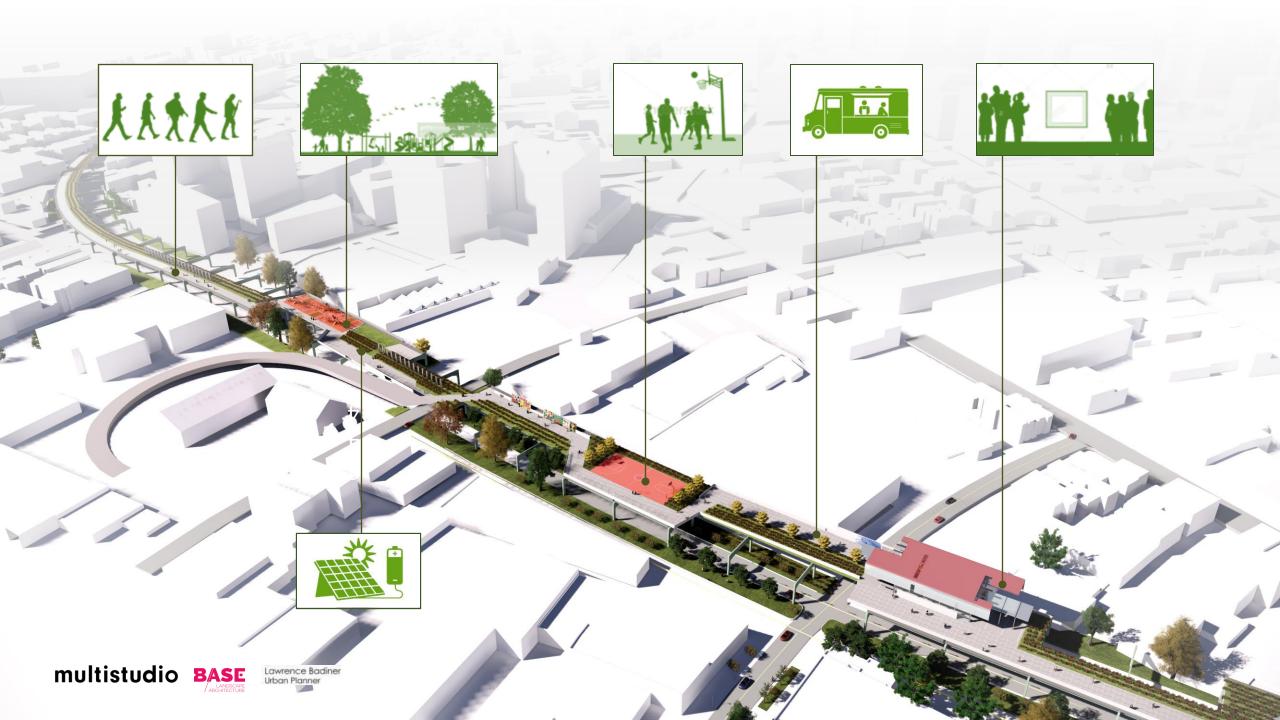
Extension of Octavia

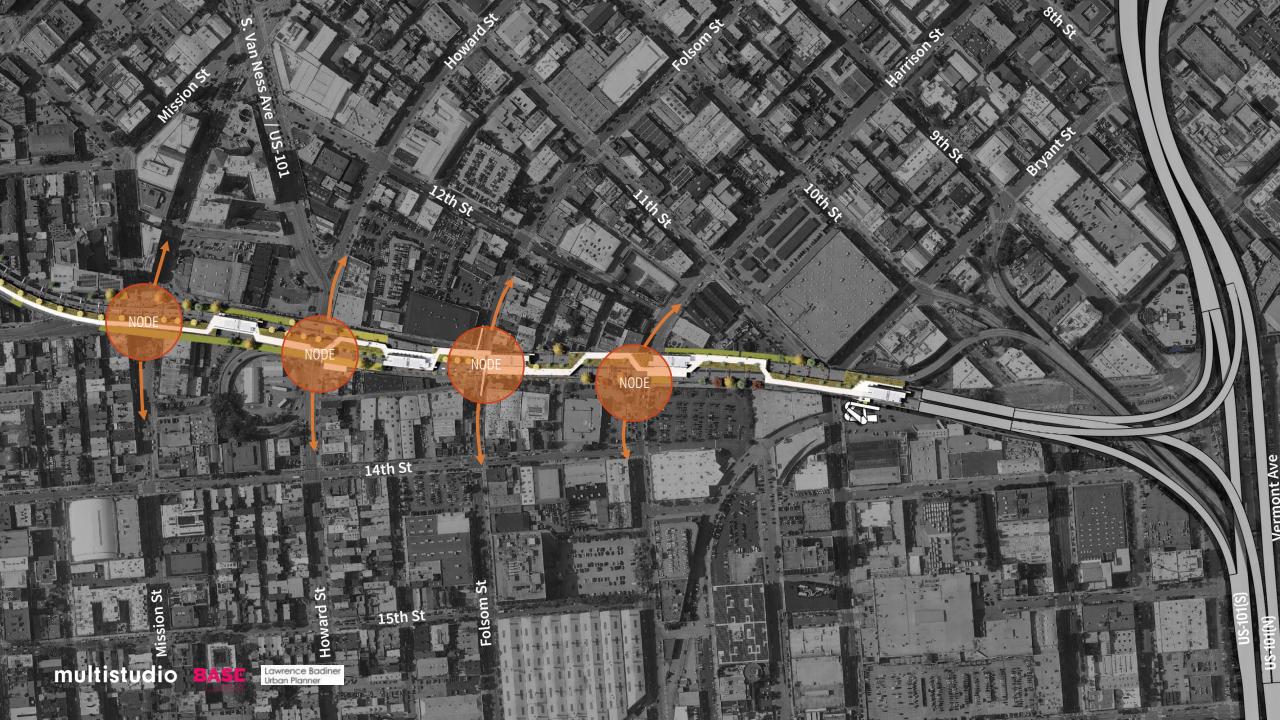
Traffic Plan (Unity Boulevard Proposal, April 2015)



Reusing Freeway









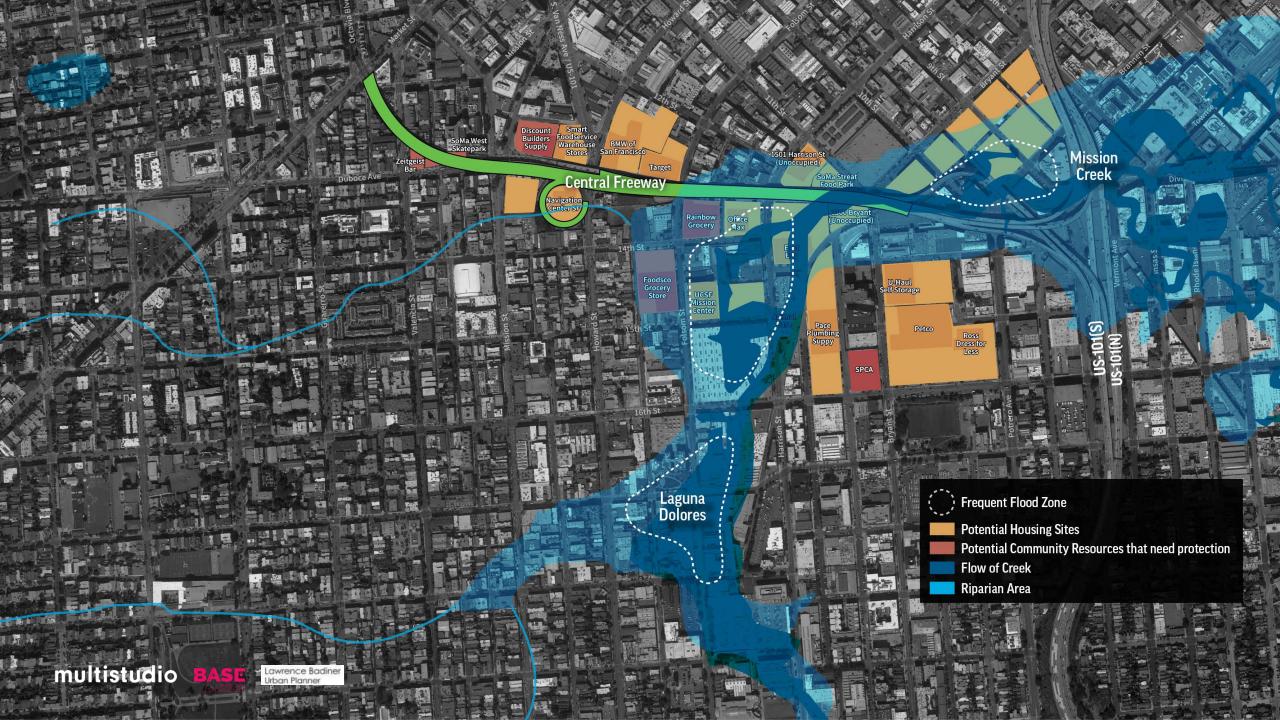




Transforming Freeway

50 Acres of Opportunity Sites for Mixed Use Development







8,000 - 15,000 Housing Units





multistudio BASE Urban Planner

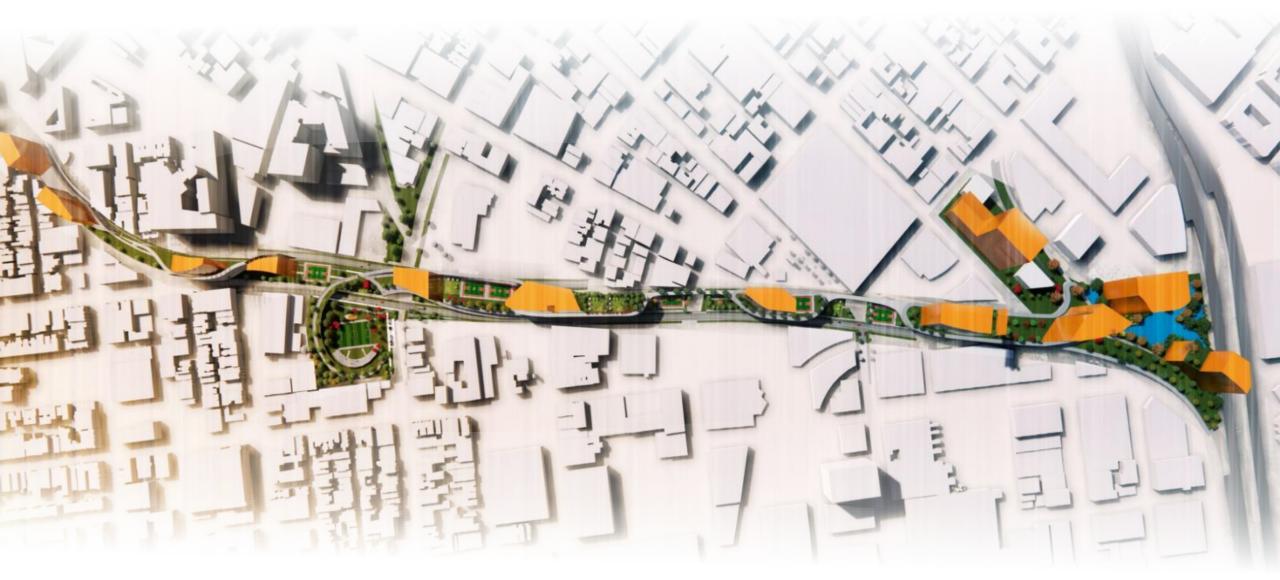
Creekside amphitheater





Removing Freeway

25 Acres, 6,000 Units





multistucio BASE Under Branner

and the Day





Next Steps

- Community Engagement
- Asset Mapping
- Anti-Displacement Strategy
- Ecological Studies
- Traffic Studies
- Tunnel feasibility
- Funding / Financing



Community land trusts10Rent control/stabilization11Just-cause eviction ordinances12Homeownership protection policies13Linkage fees14Inclusionary zoning15Community benefits agreement16Right-to-stay17Additional tools19Measures to protect businesses and cultural spaces20Commercial zoning regulations22Allocated arts and culture space23Lease-to-own programs24Community benefits agreements25Additional tools27	Measures to tackle residential displacement	8
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201111111111111111111111111111111111111	Lease-to-own programs	24
Additional tools 27	Community benefits agreements	25
	Additional tools	27

Discussion

18

85

Laguna Dolores

Central Freeway

Frequent Flood Zone Flow of Creek Riparian Area

Mission Creek

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