



**GREEN
TI** 

Google earth



LONG BEACH
DEVELOPMENT SERVICES
BUILDING A BETTER LONG BEACH



AGENDA FOR TODAY

- **Livable West Long Beach Status Report**
- **Green TI Design Presentation**
- **Small Group Activities**
 - **Design Concept Review**
 - **Comment Cards**
- **Wrap Up + Next Steps**

LIVABLE WEST LONG BEACH Status Report

- **Draft Plan Prepared + Posted Online**
 - *www.lbds.info/westlongbeachplan*
- **Plan Presented to Planning Commission 6/18/15**
- **Plan Presented to Board of Harbor Commissioners 7/27/15**
- **Return to Planning Commission/City Council for Final Review August / September 2015**

TI PROJECT BASIS

- **Caltrans Environmental Justice Funding**
- **Rooted in the City of Long Beach Mobility Element Policy**
 - **“De-freeway” the Terminal Island Freeway**
 - **End the truck route at PCH**
 - **Shift goods movement to Alameda Street**
- **This study is the first step in a long process**
- **Congress for New Urbanism (CNU) “2014 Freeways Without Futures”**
 - **TI identified as one of the top 10 opportunities for replacement**

FREEWAY REMOVAL CASE STUDIES

- **Portland's Harbor Drive**
- **San Francisco's Central Freeway**
- **San Francisco's Embarcadero Freeway**
- **Boston's Central Artery**
- **Seoul, Korea**
- **Chattanooga's Riverfront Parkway**
- **Trenton's Route 29**
- **Vancouver**
- **Toronto**
- **Milwaukee**
- **West Sacramento Freeway**

CASE STUDIES

Portland's Harbor Drive

"Hello There" From Portland



Before

25,000 CARS PER DAY

CASE STUDIES

Portland's Harbor Drive



After

PROJECT SITE

SEPULVEDA BOULEVARD

ALHAMBRA STREET

SPRING STREET

COLUMBIA STREET

WILLOW STREET

LOMITA BOULEVARD

HILL STREET

SANTA FE AVENUE

PACIFIC COAST HIGHWAY

PACIFIC COAST HIGHWAY

DOMINGUEZ CHANNEL

TERMINAL ISLAND FREEWAY

710 FREEWAY



LOS ANGELES RIVER



N

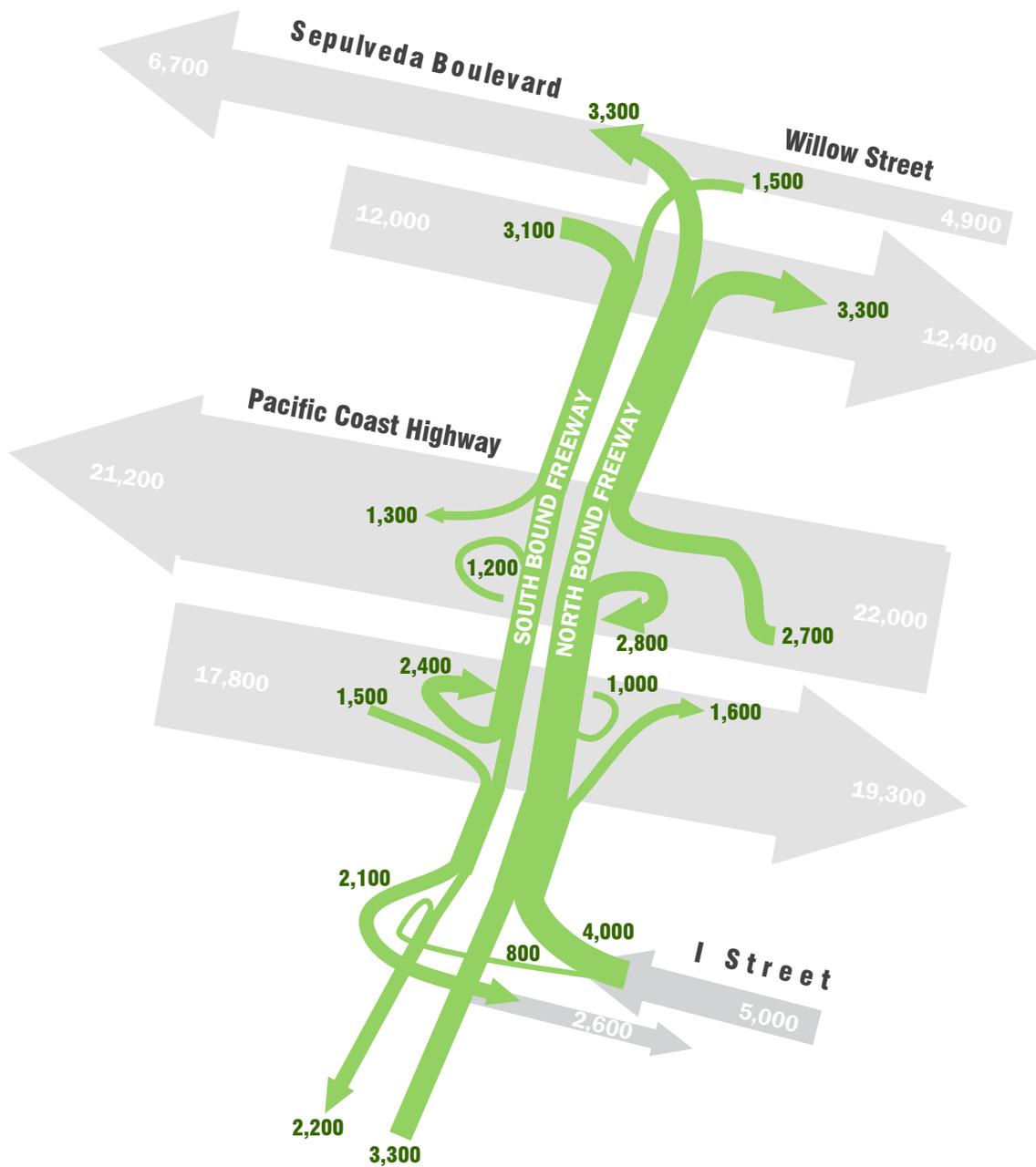
PROJECT AREA



Project Area
Approx. 25 acres

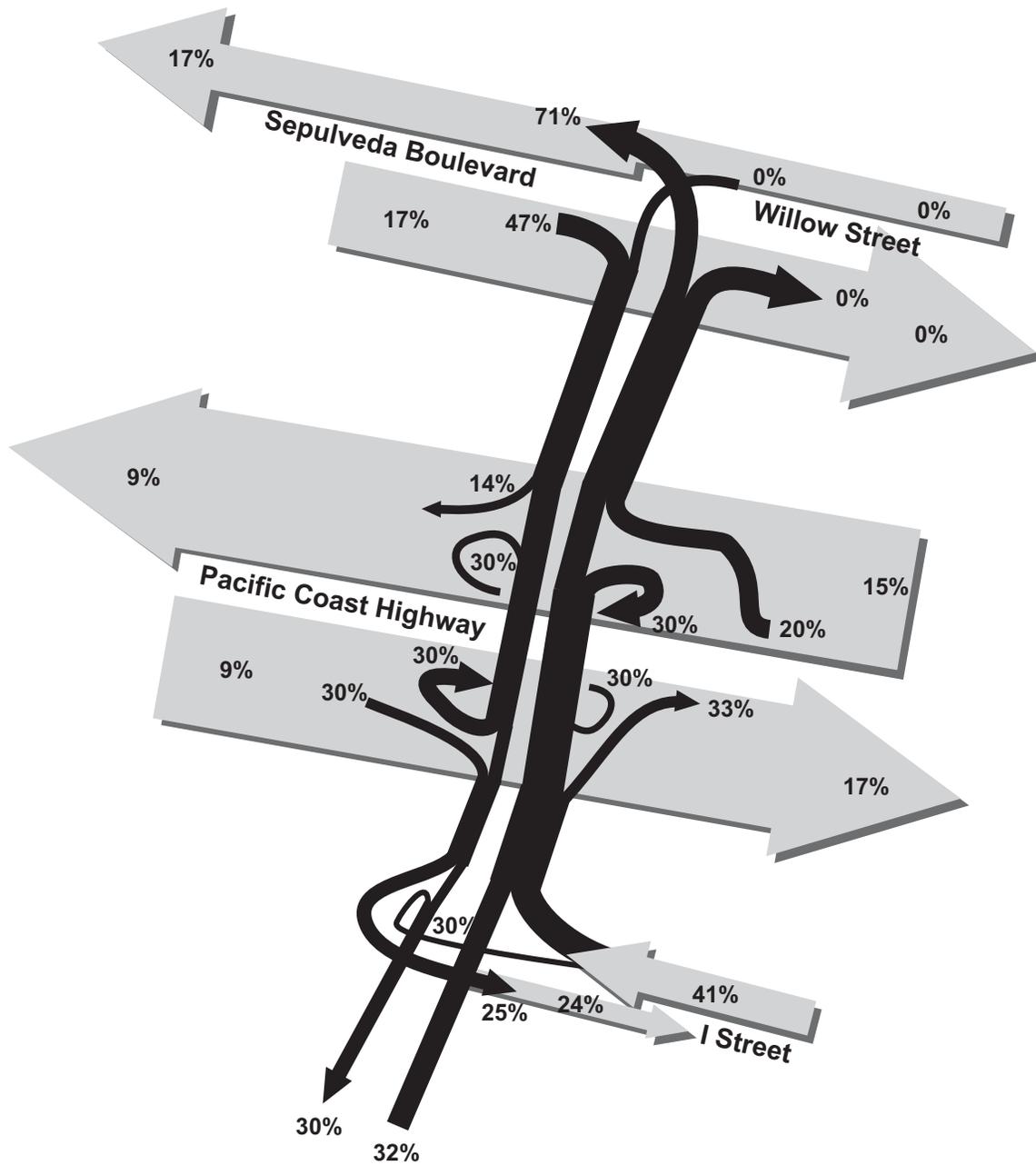
EXISTING CONDITIONS

Traffic Volumes

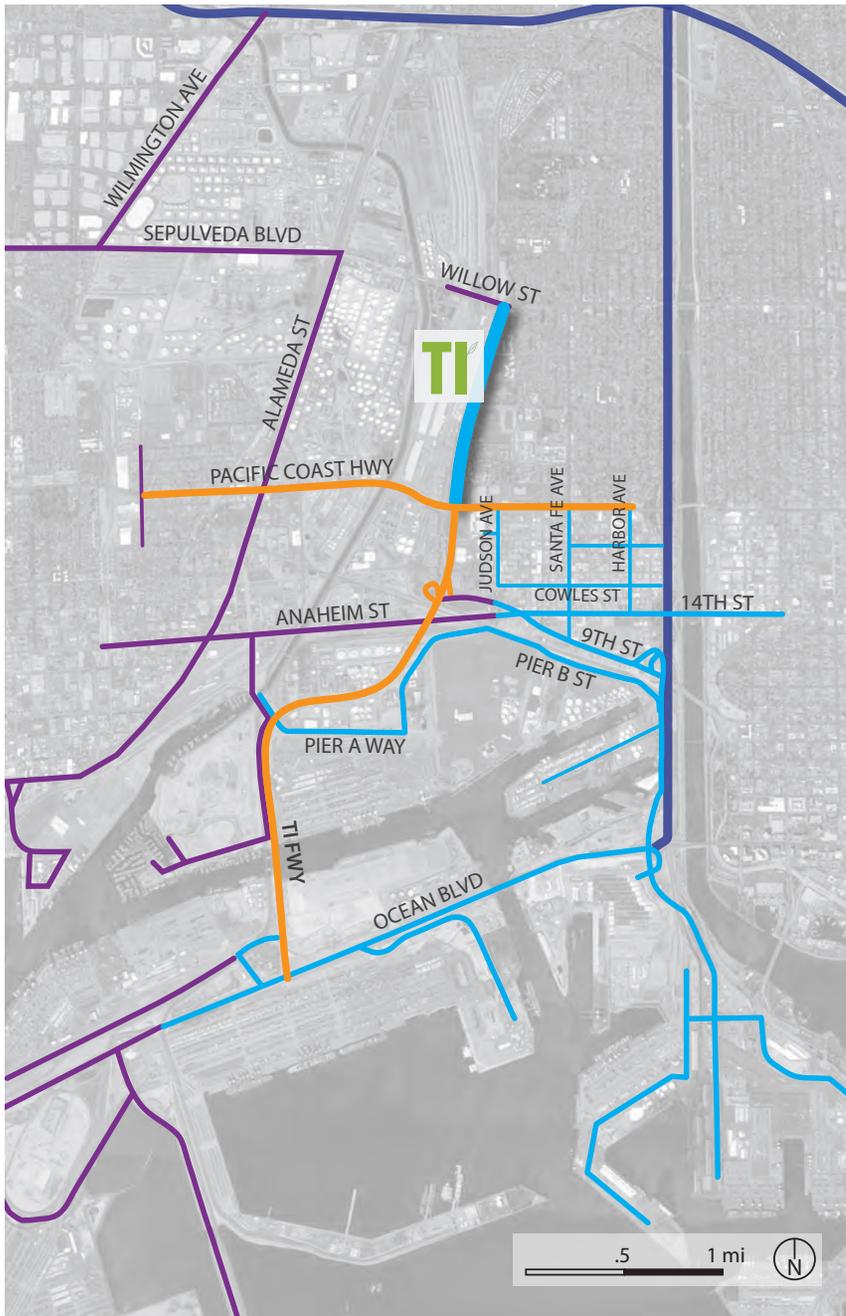


EXISTING CONDITIONS

Truck Percentages



OVERWEIGHT VEHICLE ROUTES

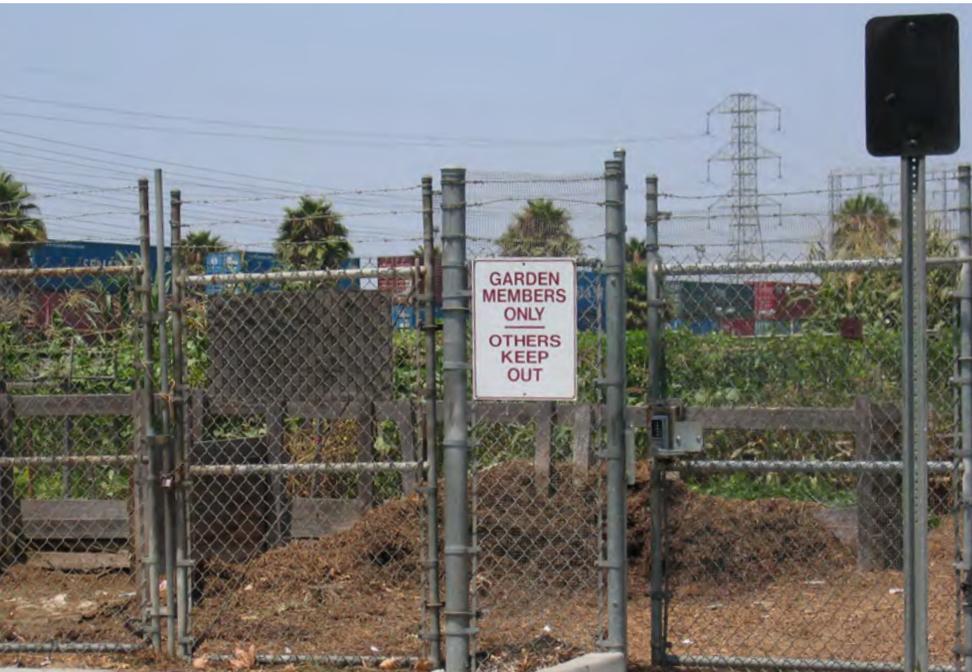


-  = STATE OVERWEIGHT ROUTE
-  = LONG BEACH OVERWEIGHT ROUTE
-  = LA OR CARSON OVERWEIGHT ROUTE
-  = FREEWAY

TI TODAY



SITE ADJACENCIES



PROJECT PROCESS

WORKSHOP #1
VISION

STEP 1



**Existing
Conditions**

WORKSHOP #2
CONFIGURATION &
DESIGN INSPIRATION

STEP 2



**Engage
Stakeholders**

WORKSHOP #3
DESIGN OPTIONS

STEP 3



Draft Concept

WORKSHOP #4
CELEBRATION!

STEP 4



**Present the
Final Vision +
Concept**

WORKSHOP # 1

Top Community Goals



Provide Environmental Benefits to Our Community



Prevent overflow freeway traffic into the neighborhood



Quiet noise and reduce freeway intrusion



Link the residential neighborhoods & schools



Introduce pedestrian & bike paths

WORKSHOP #2

Top Program Elements

1



Urban Forestry

2



Bike Paths

3



**Pollution Eating
Plants**

4



**Community
Gardens**

5



**Native + Education
Gardens**

6



Play Area

7



**Water
Collection**

8



**Smog-Eating
Surfaces**

9



**Game/Skate
Area**

10



Fitness Zone

GIVENS

Based on Input to Date

- 01 Minimum 50% Planted “Buffer”**
- 02 Stormwater Management**
- 03 Living Laboratory / Sustainability**
- 04 Bicycle / Pedestrian Trails**
- 05 People Spaces and Site Uses**
- 06 Vehicular Access**
- 07 Access Points (20th St, Hill St, & Willow St)**
- 08 Prevent Overflow Traffic into Neighborhoods**

TI WATER STRATEGIES



**Wetlands / Paving Infiltration / Pervious Surfaces
Bioswales / Tidal Water Features / Filtration Systems**

TI SUSTAINABILITY STRATEGIES



**Urban Forest / Native Meadows / Native Planting
Pollution Monitoring / Smog-Eating Surfaces / Water Collection / Green Energy**

TI CIRCULATION & SAFETY STRATEGIES



Pedestrian Paths / Bike Paths / Path Lighting / Park Entry / Park Gate

ROAD PRECEDENTS

Local



Park

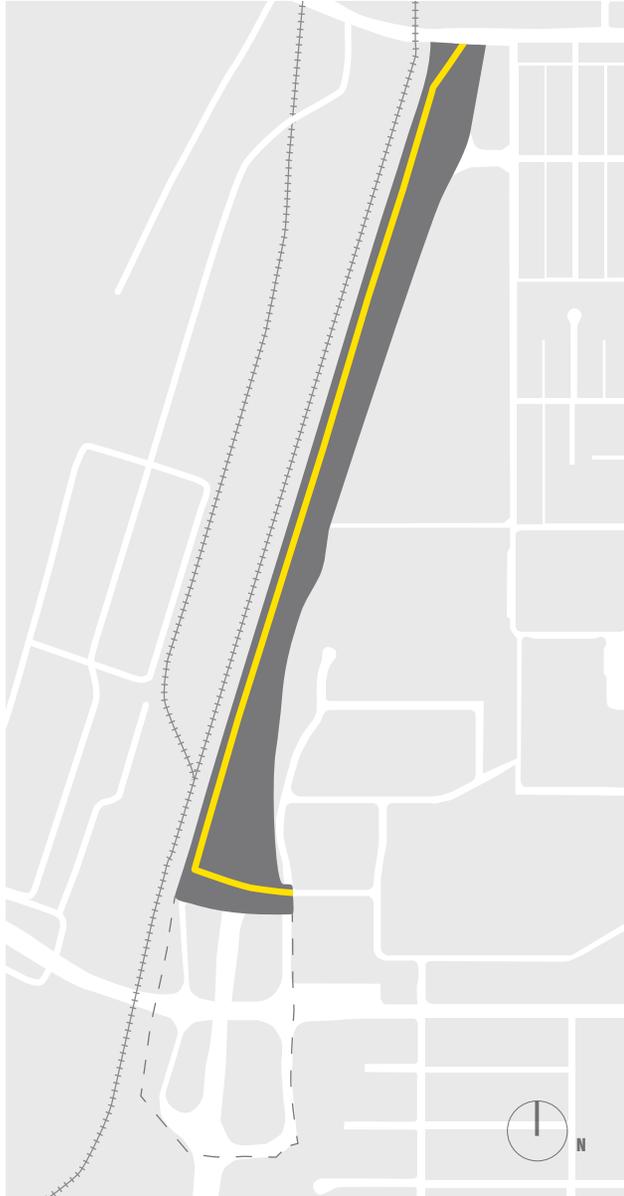


Plaza

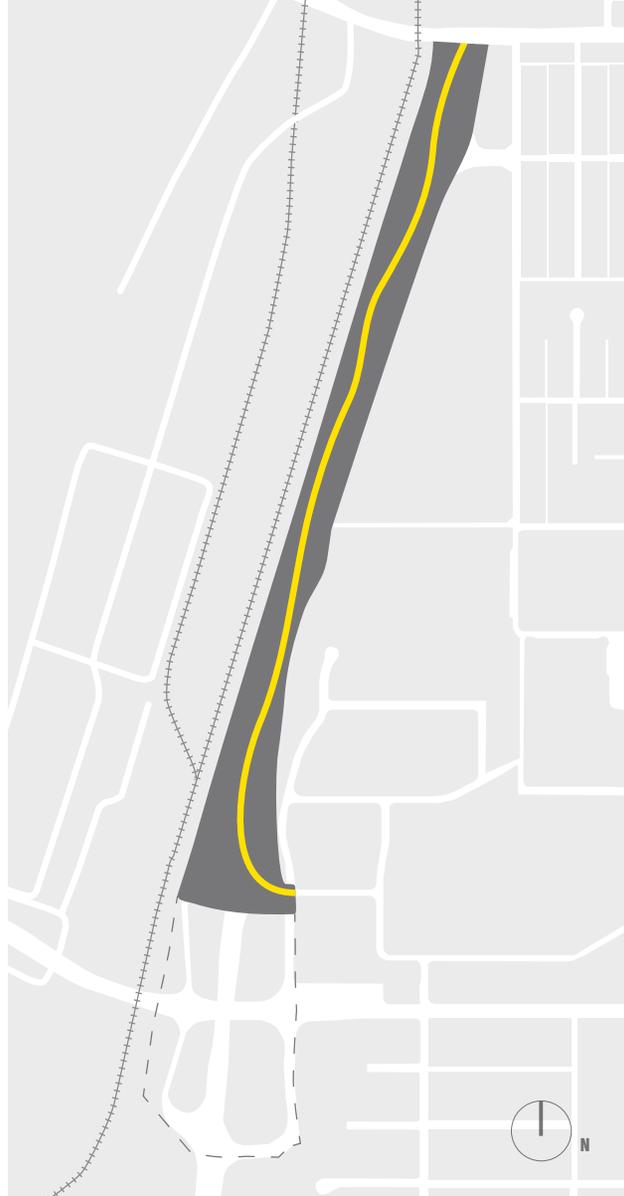


ROAD DIAGRAMS

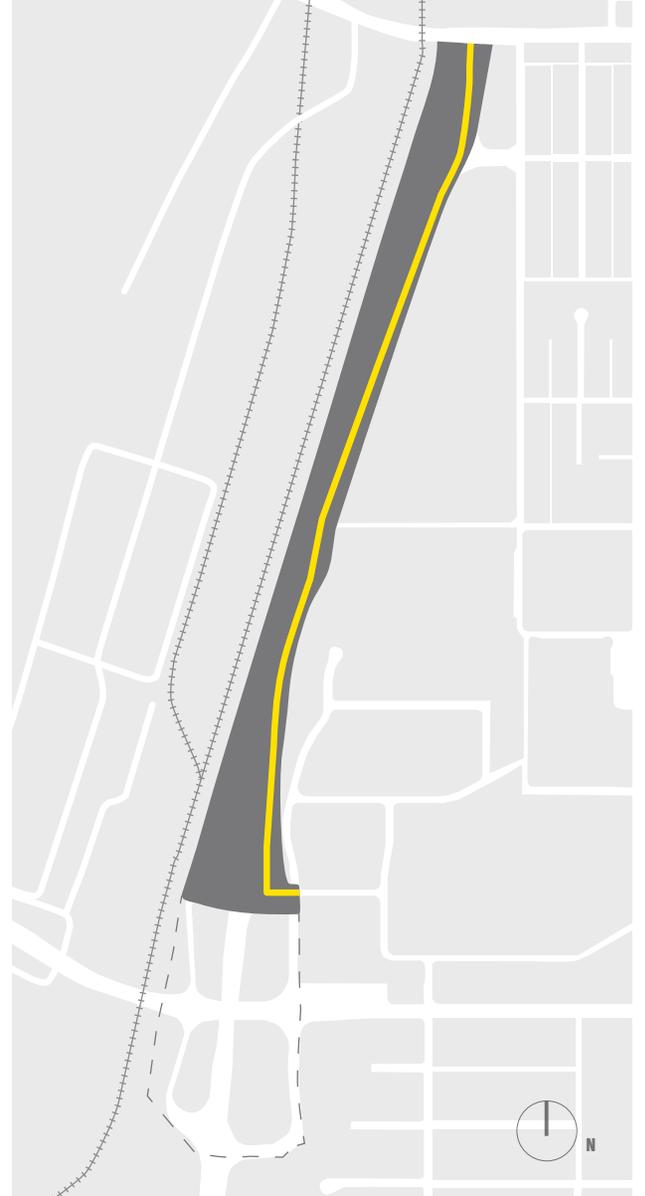
West



Center



East

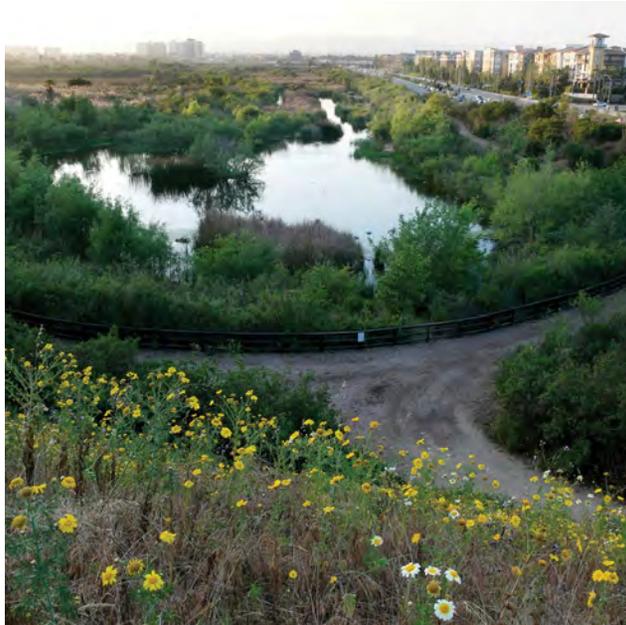


BUFFER PRECEDENTS

Urban Forest



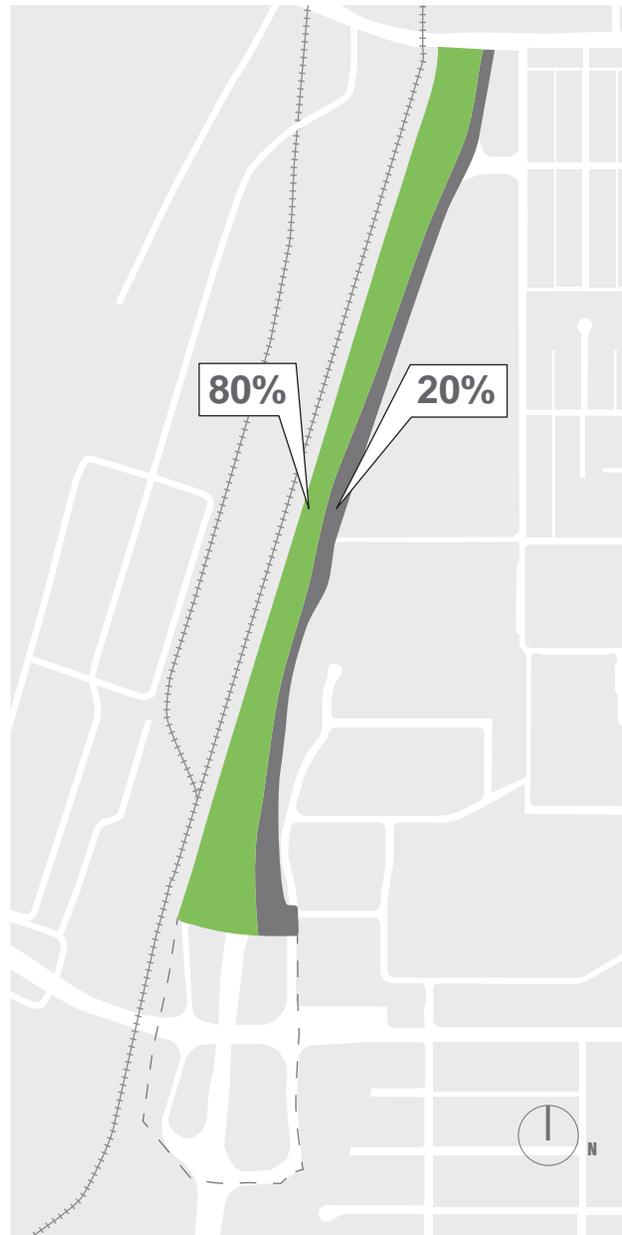
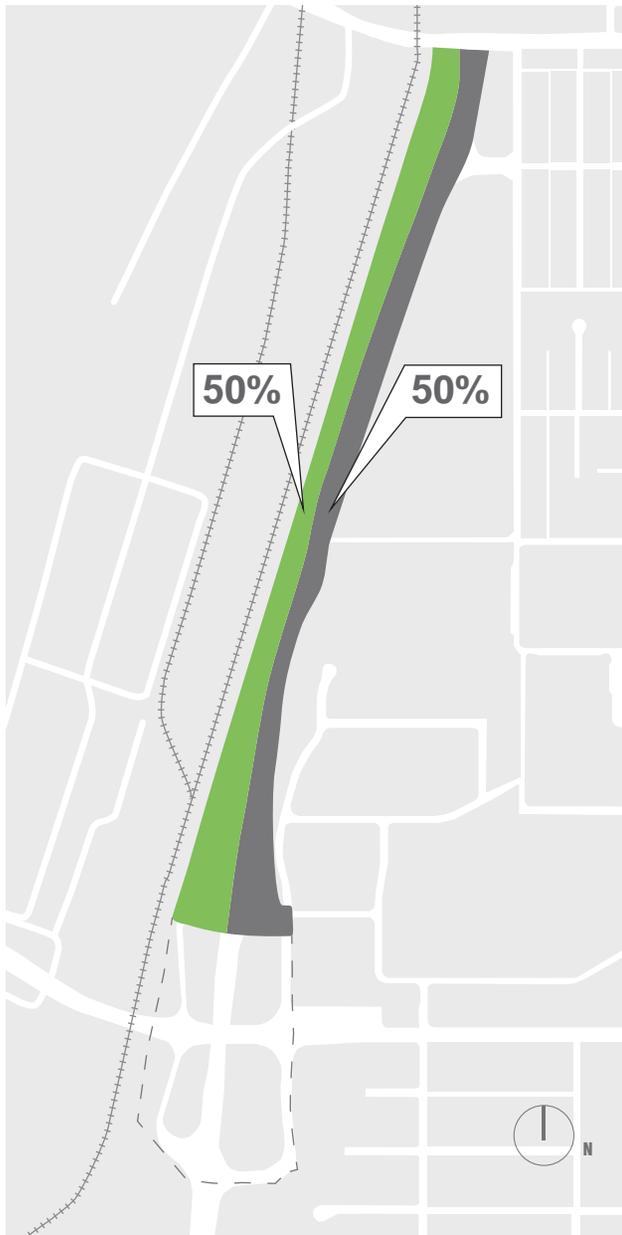
Wetland



City Nursery



BUFFER DIAGRAMS



SITE AGEAGE BREAKDOWN

Buffer + Open Space = 20 AC

Road + Parking = 5 AC

Total Site = 25 AC

80% = 16 AC

50% = 10 AC

20% = 4 AC

SCALE COMPARISONS

- Dominguez Gap Wetlands
 - East Basin = 37 AC
 - West Basin = 15 AC
- Willow Springs = 47 AC
 - Phase 1 = 4 AC
- Bixby Park = 16.7 AC
- Cesar E. Chavez Park = 9 AC
- Silverado Park = 11.8

 = PLANTED BUFFER

 = PEOPLE SPACE

USE ZONES PRECEDENTS

Education



Ecology



Play & Fitness

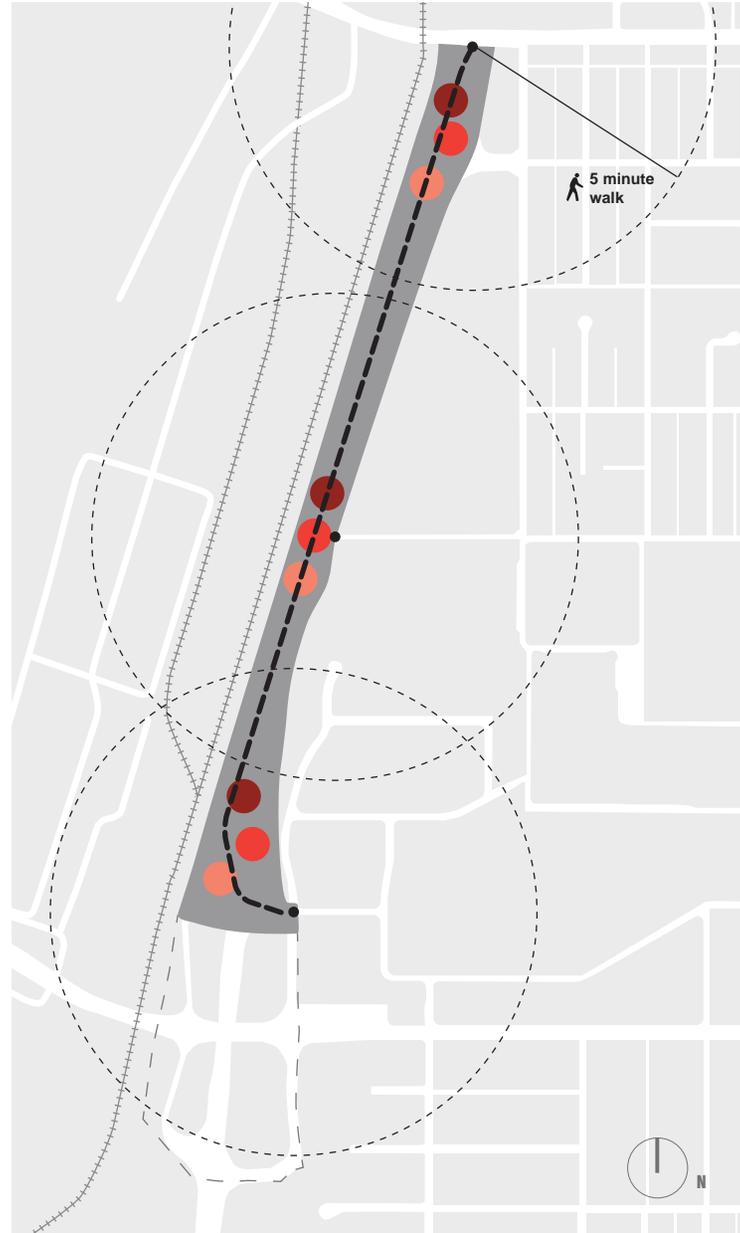


USE ZONES DIAGRAMS

Linear

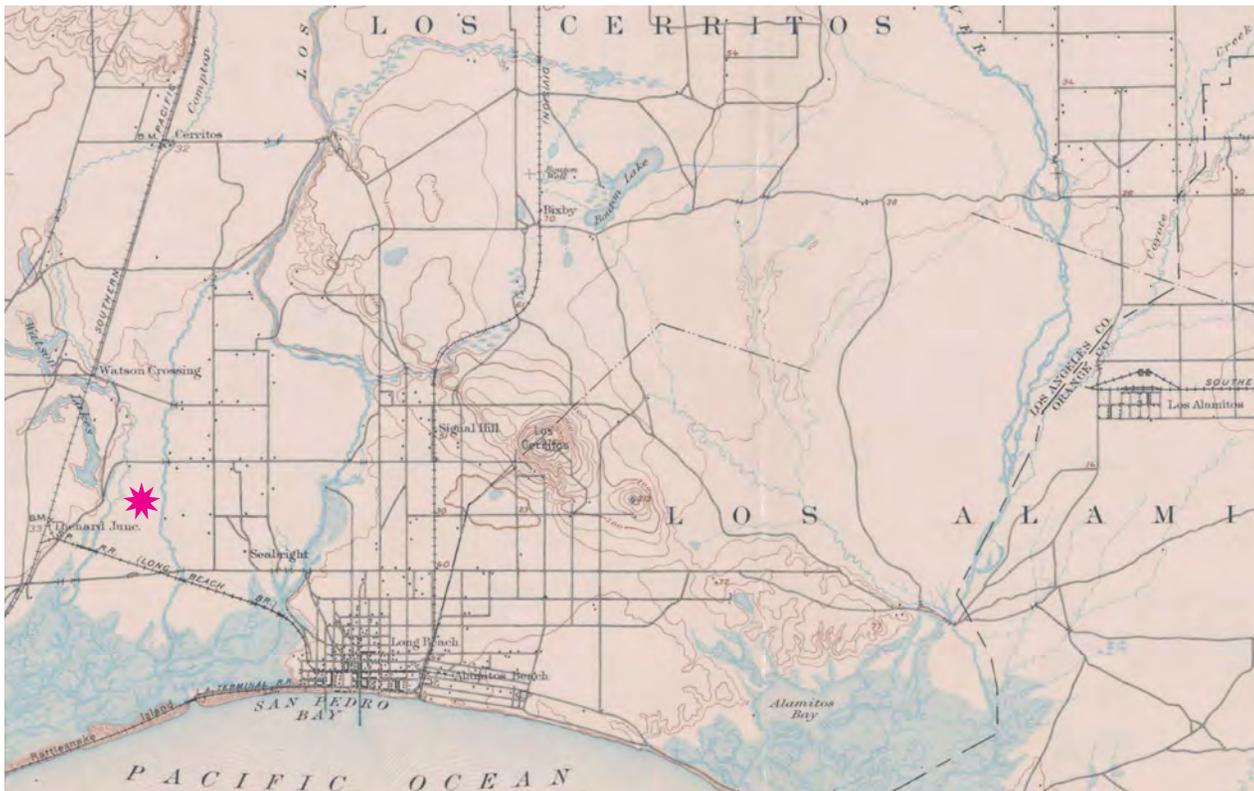


Cluster



SITE STORY

Mountains to Sea



- Story tells the natural history of the site
- Water flows from mountains to sea carving out spaces along the way
- Prior to channelizing the LA river and its tributaries the site was part of the river delta
- Users flow through the site and collect in gathering spaces

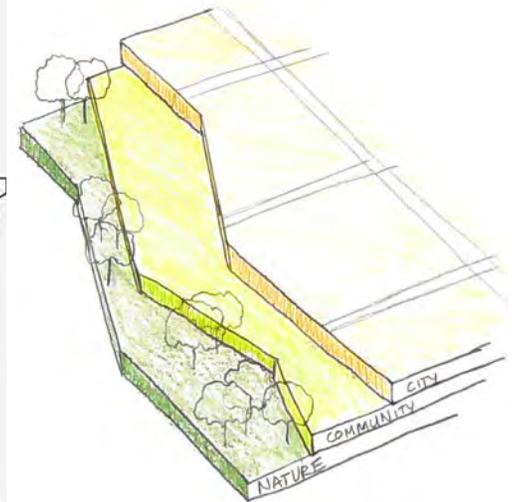
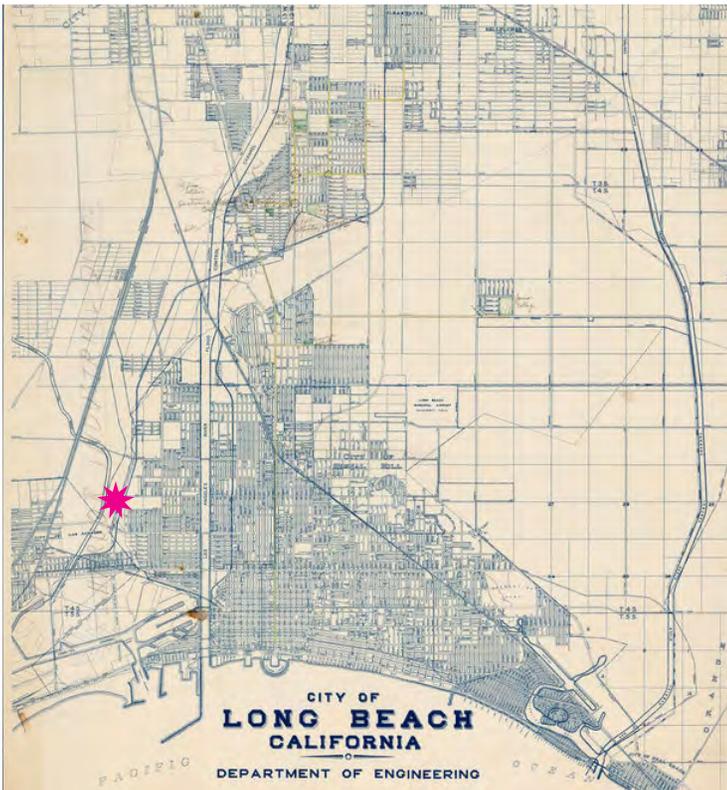
SITE STORY

Mountains to Sea



SITE STORY

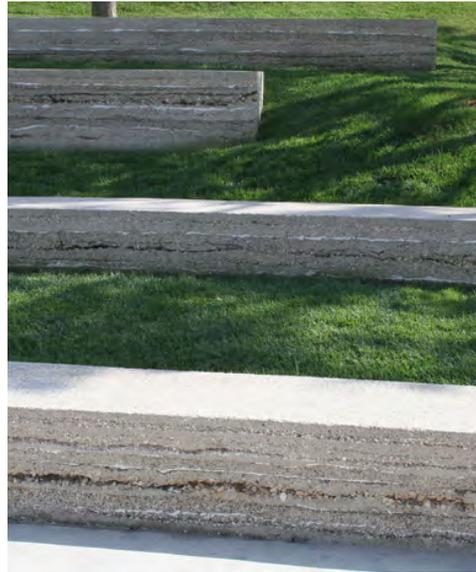
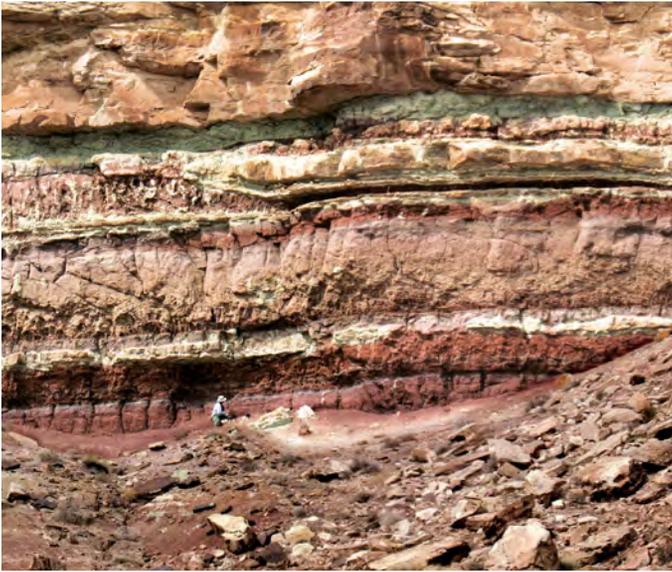
Urban Edge



- Story is based on the history of Long Beach and it's growth
- As Long Beach developed and grew the open landscape around it decreased and nature disappeared
- Sitting at the western most edge of the city, TI provides the opportunity to bring nature back into the city
- The neighborhood edge extends out into the new nature

SITE STORY

Urban Edge



DESIGN EXAMPLES

Mountains to Sea



Urban Edge



FEEDBACK



SCORE CARD

WORKSHOP #3 - JULY 18, 2015

PLEASE CHOOSE ONE ANSWER TO EACH QUESTION

1

Which road location do you prefer?

- East
- Central
- West
- Other _____

2

How often should the community have access to the road?

- Every Day
- Limited Access
- Emergency Access Only
- Other _____

3

How should the space be used?

- 50% Planted Buffer Zone / 50% People Space
- 80% Planted Buffer Zone / 20% People Space
- Other _____

4

How should the space be organized?

- Linear District
- Clustered Uses
- Other _____

5

Which site story do you prefer?

- Mountains to Sea
- Urban Edge
- Other _____

6

What are the nearest cross streets to your home in Long Beach?

_____ & _____

(Have other ideas or thoughts? Write any additional comments on the back)

THANK YOU!



LONG BEACH
DEVELOPMENT SERVICES
BUILDING A BETTER LONG BEACH



GIVENS

Based on Input to Date

- 01 Minimum 50% Planted “Buffer”**
- 02 Stormwater Management**
- 03 Living Laboratory / Sustainability**
- 04 Bicycle / Pedestrian Trails**
- 05 People Spaces and Site Uses**
- 06 Vehicular Access**
- 07 Access Points (20th St, Hill St, & Willow St)**
- 08 Prevent Overflow Traffic into Neighborhoods**

NEXT STEPS

- **Continuing Stakeholder Outreach**
- **Additional Analysis of Existing Traffic Data/Selection of Concept**
- **Community Celebration Fall 2015**