



**GREEN  
TI**

**WORKSHOP #1**

**December 6, 2014**



LONG BEACH  
DEVELOPMENT SERVICES  
BUILDING A BETTER LONG BEACH



# WORKSHOP #1 AGENDA

**11:05 AM - 11:20 AM**

**Green TI Presentation**

**11:20 AM - 11:40 AM**

**Interactive Activity**

*“Visioning the TI Freeway  
Transition”*

**11:40 AM - 12:00 PM**

**Summary and Next Steps**

*Come back together to summarize  
and discuss next steps*

# PROJECT AREA

SEPULVEDA BOULEVARD

LOMITA BOULEVARD

PACIFIC COAST HIGHWAY

DOMINGUEZ CHANNEL

TERMINAL ISLAND FREEWAY

SPRING STREET

COLUMBIA STREET

WILLOW STREET

HILL STREET

SANTA FE AVENUE

PACIFIC COAST HIGHWAY

710  
710 FREEWAY

LOS ANGELES RIVER

# TI FREEWAY CORRIDOR TODAY



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# TI FREEWAY CORRIDOR TODAY



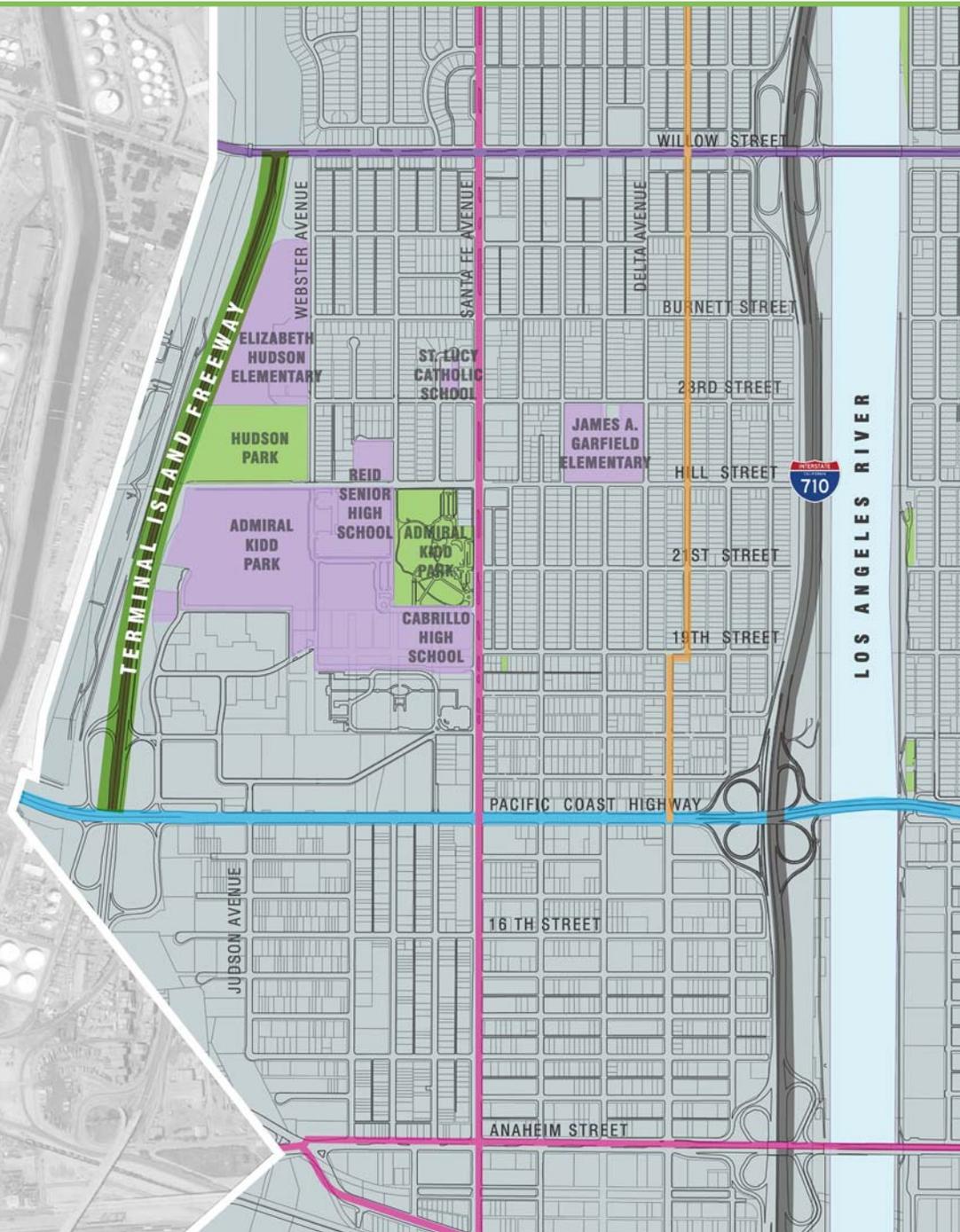
# TI FREEWAY CORRIDOR TODAY



# TI FREEWAY CORRIDOR TODAY



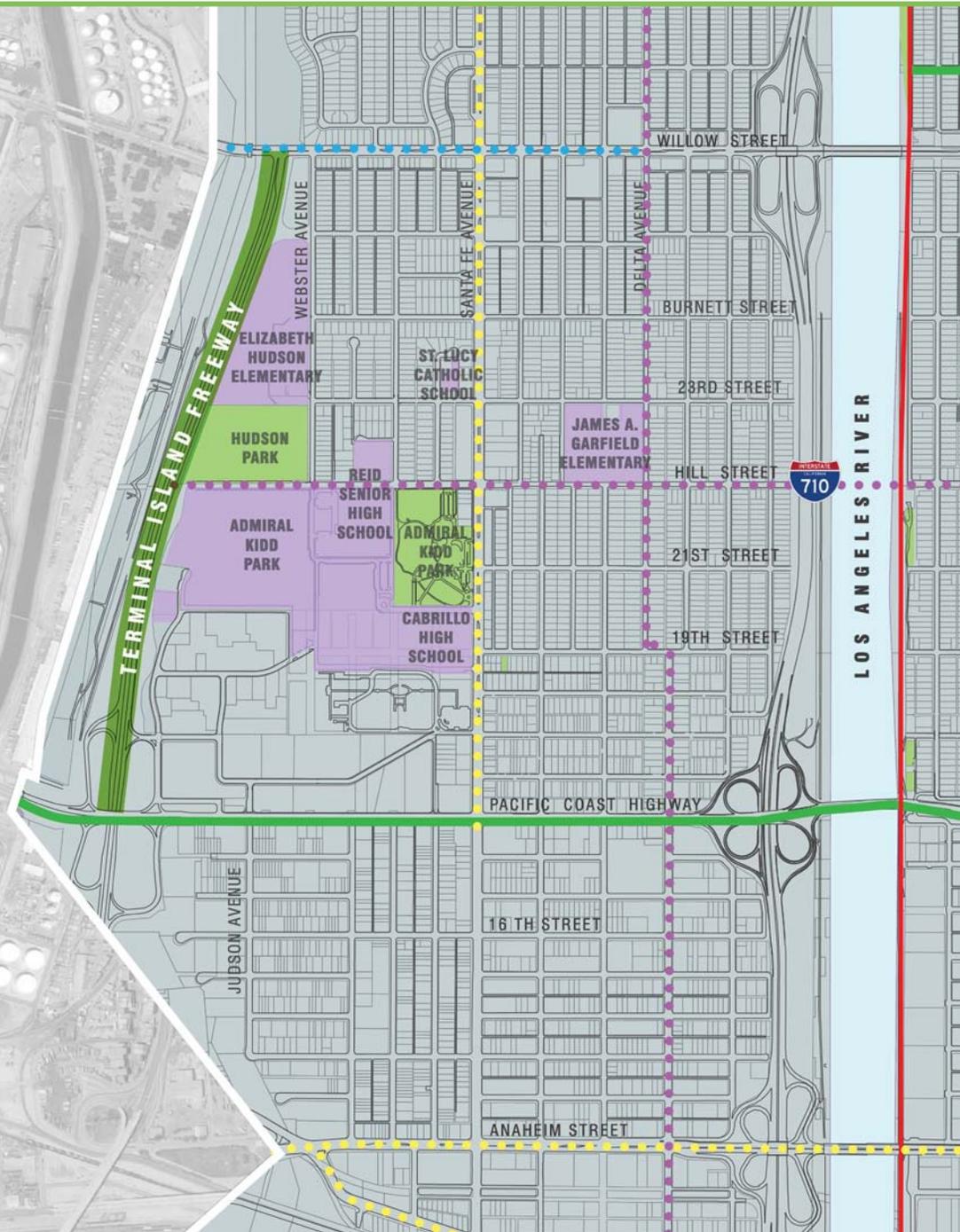
# SURROUNDING AREA: STREET TYPES



## LEGEND

-  **FREEWAY**
-  **REGIONAL CONNECTOR**
-  **BOULEVARD**
-  **MAJOR AVENUE**
-  **NEIGHBORHOOD CONNECTOR**

# SURROUNDING AREA: BIKE ACCESS



## LEGEND

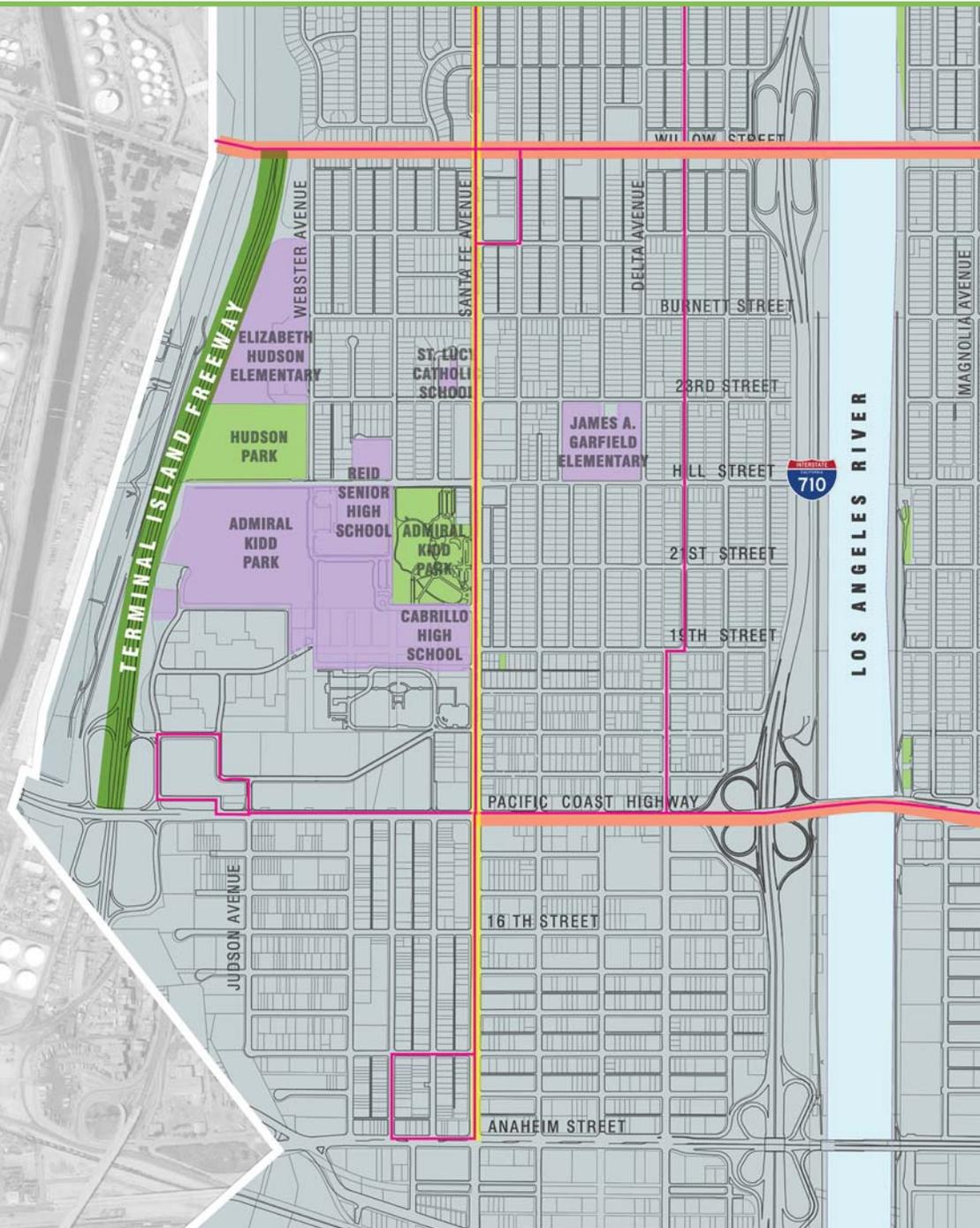
### EXISTING:

- BIKE PATH (CLASS I)
- BIKEWAY (CLASS III)

### PROPOSED:

- BIKE BOULEVARD
- BIKE LANE (CLASS II)
- TO BE DETERMINED

# SURROUNDING AREA: TRANSIT



## LEGEND

-  TRANSIT PRIORITY ROUTE
-  TRANSIT SECONDARY ROUTE
-  BUS ROUTES  
(LB TRANSIT, METRO, & OCTA)

# PROJECT PROCESS

**WORKSHOP #1**  
VISION

**STEP 1**



**Existing  
Conditions**

**WORKSHOP #2**  
GOALS  
DESIGN CRITERIA

**STEP 2**



**Engage  
Stakeholders**

**WORKSHOP #3**  
DESIGN OPTIONS

**STEP 3**



**Draft Plan**

**WORKSHOP #4**  
CELEBRATION!

**STEP 4**



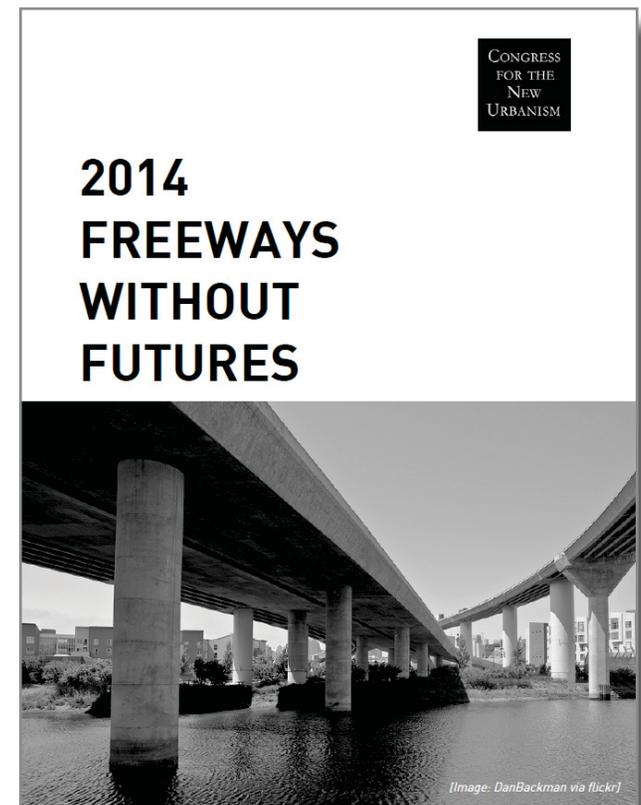
**Present the  
Final Plan**

## **WHY PLAN NOW?**

Cal-Trans Environmental Justice Grant to develop a vision for transforming the City owned portion of the TI Freeway and truck route into a local street.

# WHY PLAN NOW?

- Congress for New Urbanism (CNU)  
“2014 Freeways without Futures”
  - TI identified as one of the top 10 opportunities for replacement
- Part of “Highways to Boulevards” Campaign
- Identified for removal in City’s Mobility Element
- In “The Yards” concept developed by City Fabrick



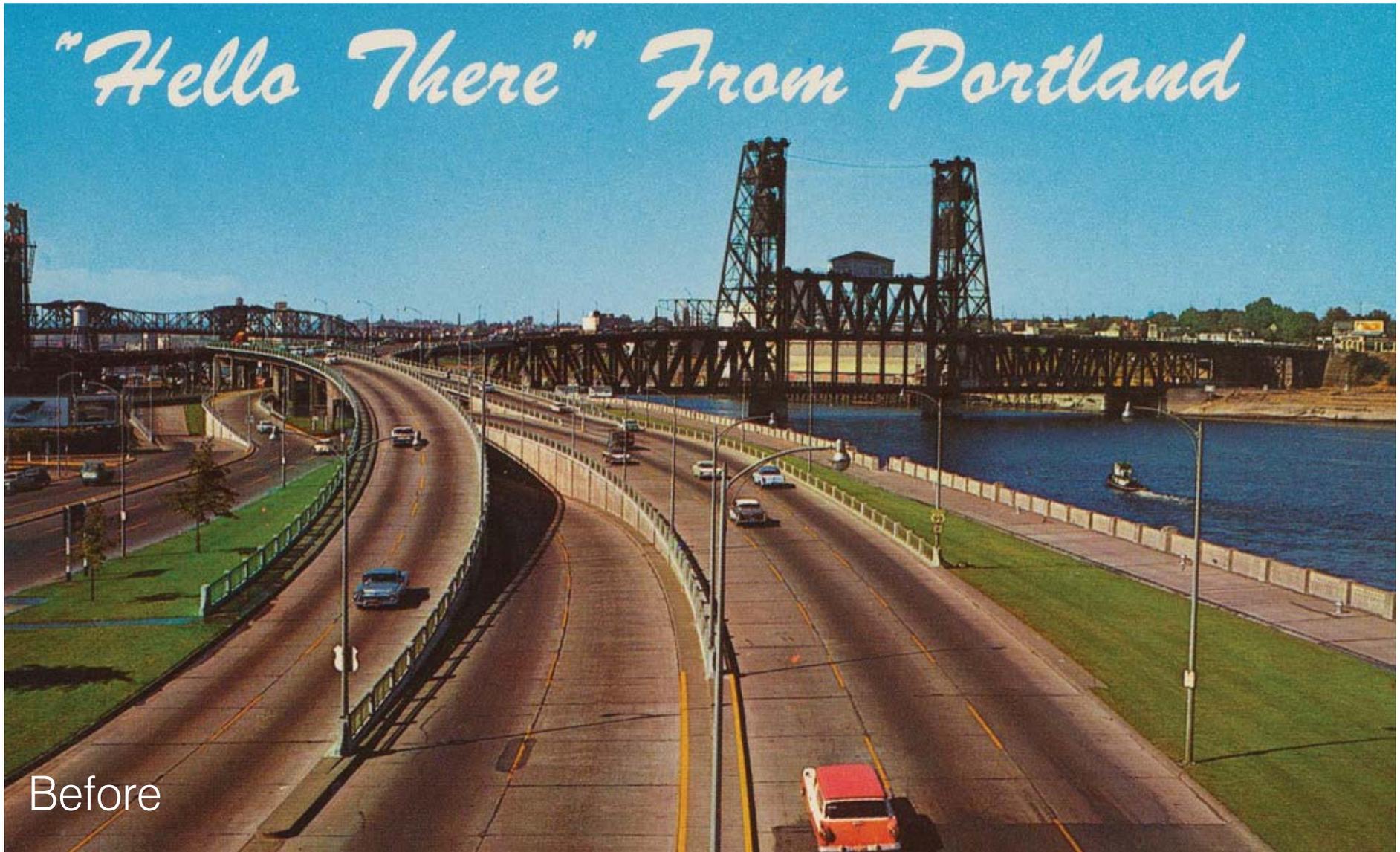
# CASE STUDIES: FREEWAY REMOVAL

- 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

25,000 CARS PER DAY



# CASE STUDIES

## Portland's Harbor Drive



After

# CASE STUDIES

## San Francisco's Central Freeway



Before

# CASE STUDIES

## Octavia Boulevard

45,000 CARS PER DAY



After

# CASE STUDIES

## San Francisco's Doyle Drive (Route 101)



# CASE STUDIES

## Presidio Parkway



After

# BENEFITS OF FREEWAY REMOVAL PROJECTS

- Reduction in auto trips, that can decrease energy use & pollution
- Traffic is managed in the new configuration
- Freeway removal does not require a major shift to another mode
- Surrounding property values increase
- Perceptions of safety may improve

# PROJECT SEGMENT: THE FIRST STEP

YEAR BUILT: 1983

PROJECT LENGTH: 1 MILE WILLOW STREET TO  
PACIFIC COAST HIGHWAY

AA DT: 14,000 VEHICLES

AVERAGE  
ANNUAL  
DAILY  
TRAFFIC



INTERSTATE HIGHWAY 103  
TERMINAL  
ISLAND  
FREEWAY

## **ISSUE: GOODS MOVEMENT**

- What are the impacts on current goods movement operations?
- What alternate routes are available & how will that impact future operations?
- How will the change in operations impact neighborhoods?

## **ISSUE: TRANSPORTATION/MOBILITY**

- Freeway segment currently carries about 1,800 vehicles during peak hour
- This four lane freeway carries about one lane equivalent traffic
- Reconfiguration of PCH / TI Freeway new Terminus & Willow intersection
- Are vehicular & bicycle connections to new roadway possible / desirable?

# BIG ISSUE: QUALITY OF LIFE

- How will the change in truck traffic impact neighborhoods?
- How can we increase parks and open space?
- How will this plan improve air quality, reduce noise, improve storm water management?

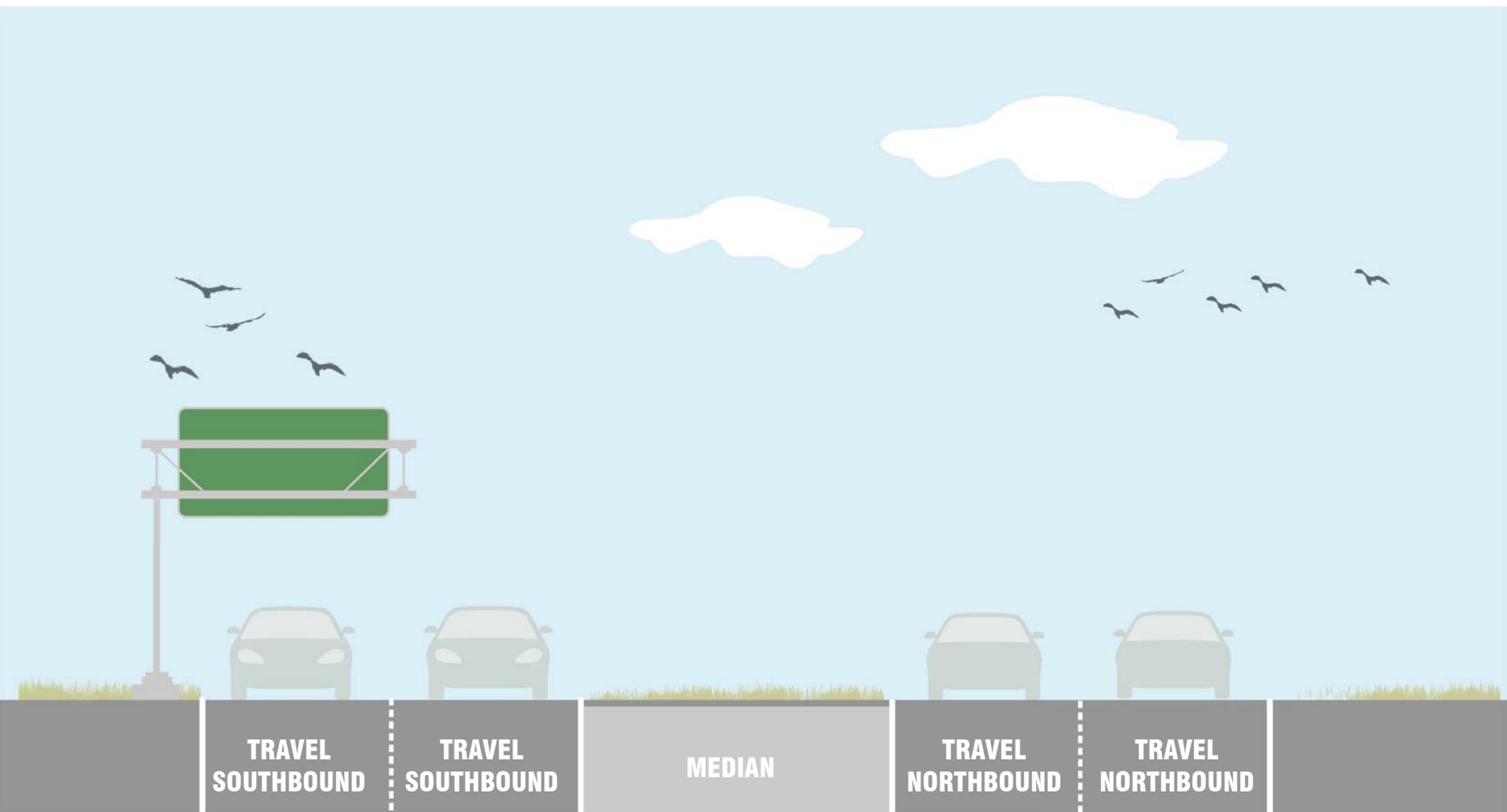


# HOW SHOULD WE GREEN TI?

- Local street with connections to existing streets?
- Neighborhood green buffer from industry to the west?
- A place to walk, bike, exercise, play, relax, or....?

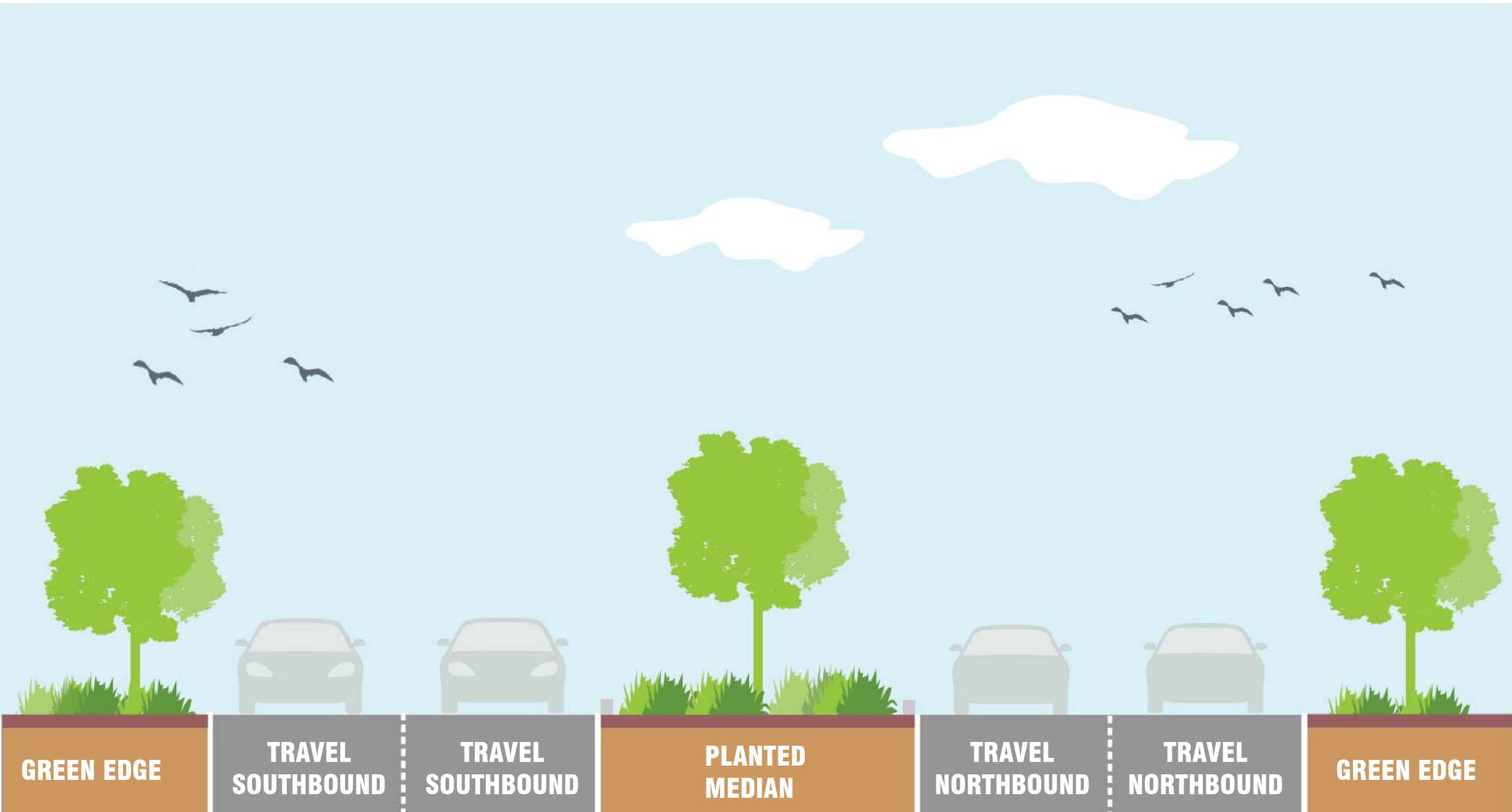
# TERMINAL ISLAND FREEWAY TODAY

LOOKING NORTH



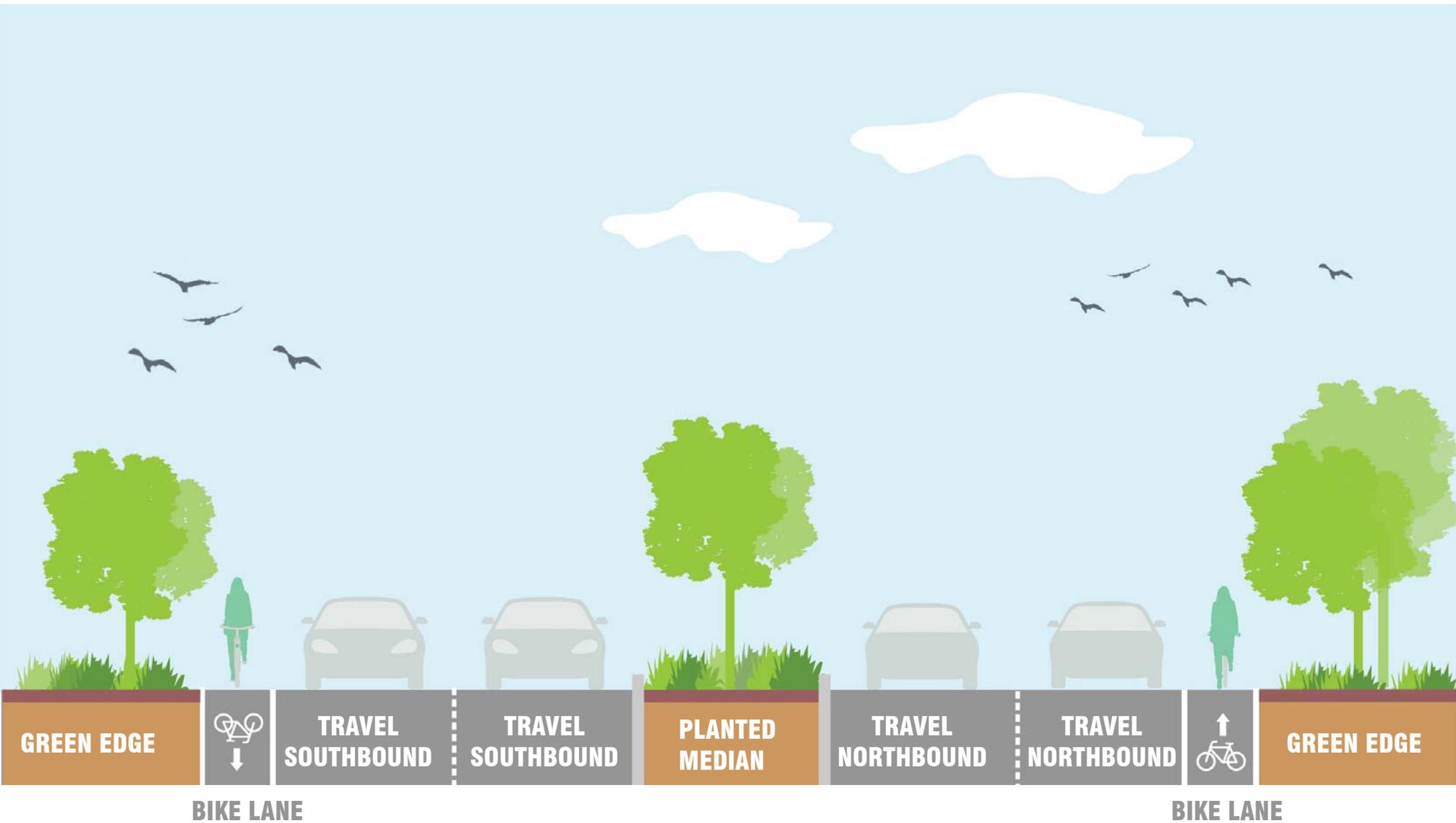
# OPTIONS FOR TOMORROW?

## PLANTED MEDIAN BOULEVARD



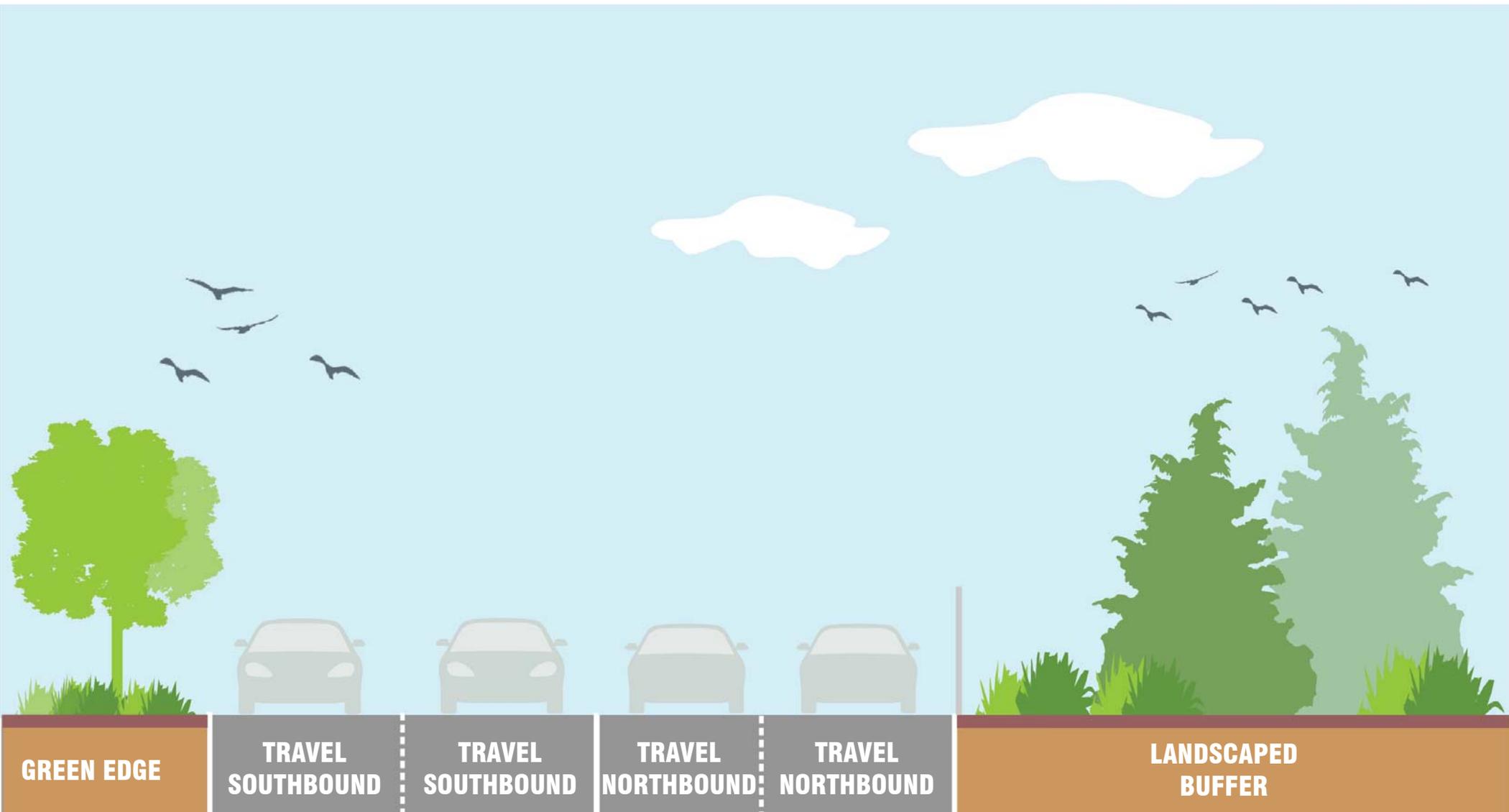
# OPTIONS FOR TOMORROW?

## PLANTED MEDIAN AND BIKE LANES



# OPTIONS FOR TOMORROW?

LANDSCAPED BUFFER, EASTSIDE

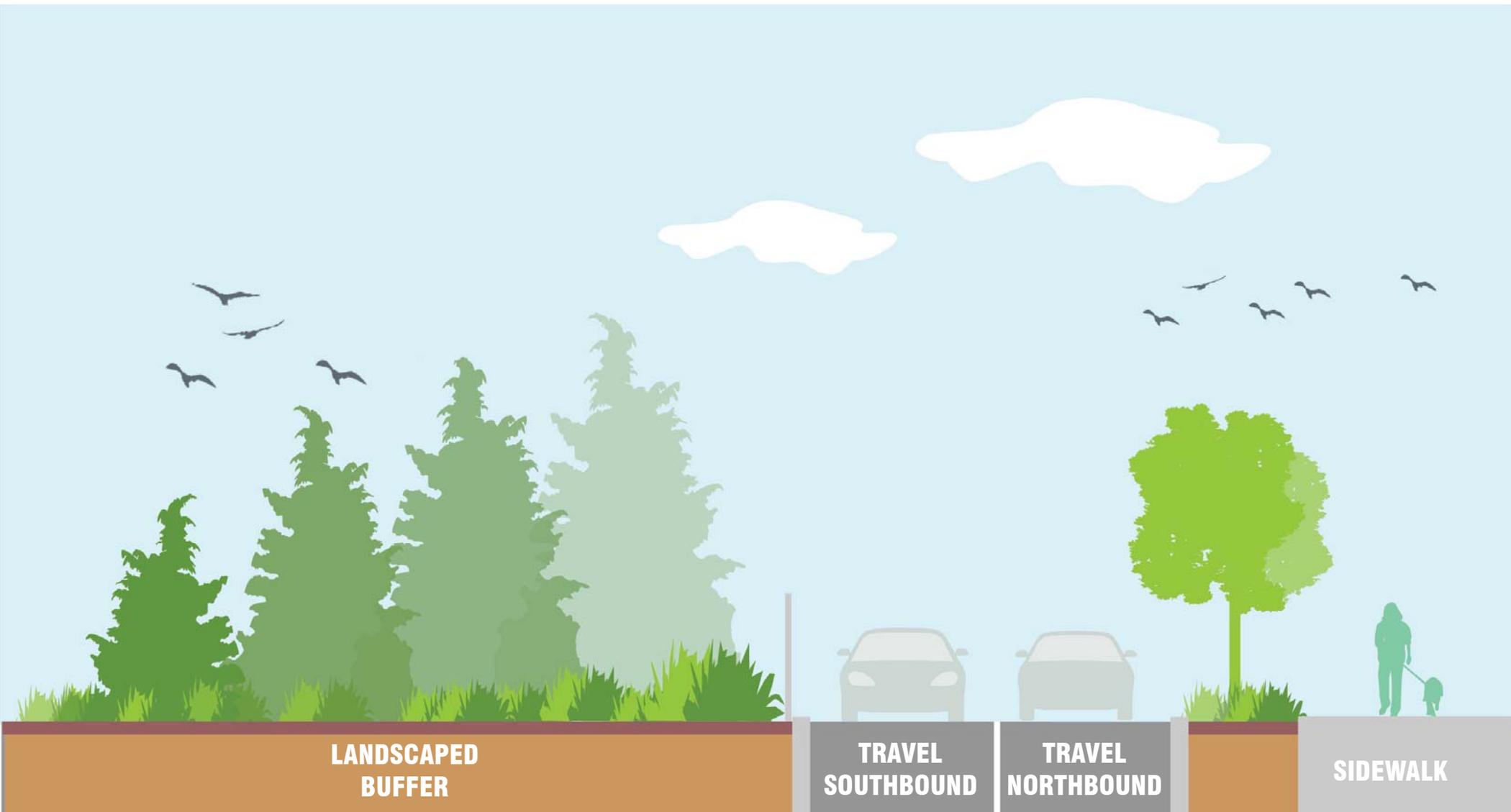


PARKING?

PARKING?

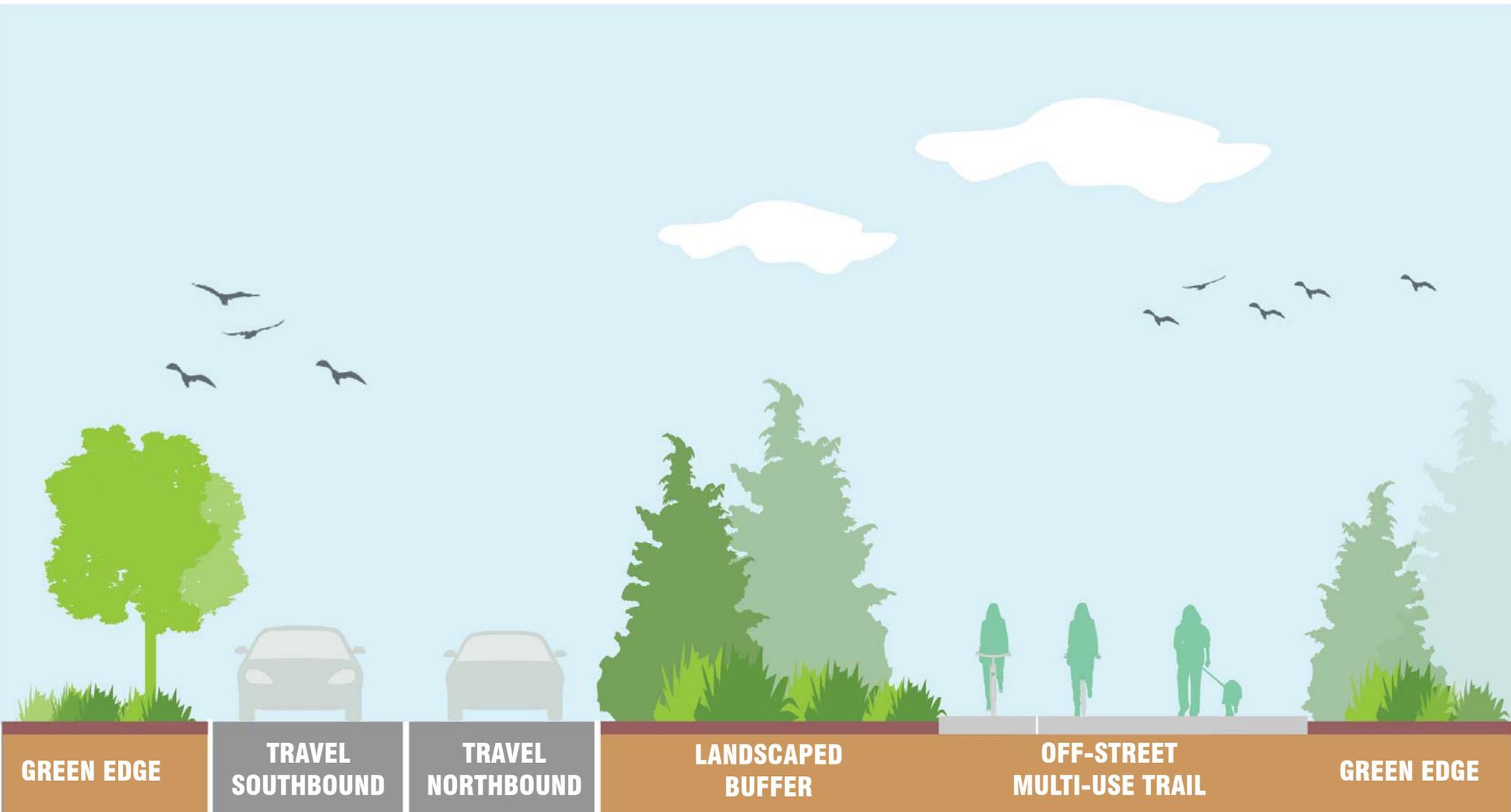
# OPTIONS FOR TOMORROW?

## LANDSCAPED BUFFER, WESTSIDE



# OPTIONS FOR TOMORROW?

OFF-STREET TRAIL



**GREEN EDGE**

**TRAVEL  
SOUTHBOUND**

**TRAVEL  
NORTHBOUND**

**LANDSCAPED  
BUFFER**

**OFF-STREET  
MULTI-USE TRAIL**

**GREEN EDGE**

**WHAT IS YOUR VISION?**

**GREEN TI** 

# THANK YOU!



## WORKSHOP #1



LONG BEACH  
DEVELOPMENT SERVICES  
BUILDING A BETTER LONG BEACH

