

# **Mobility Hubs**

Tuesday, March 18, 2025

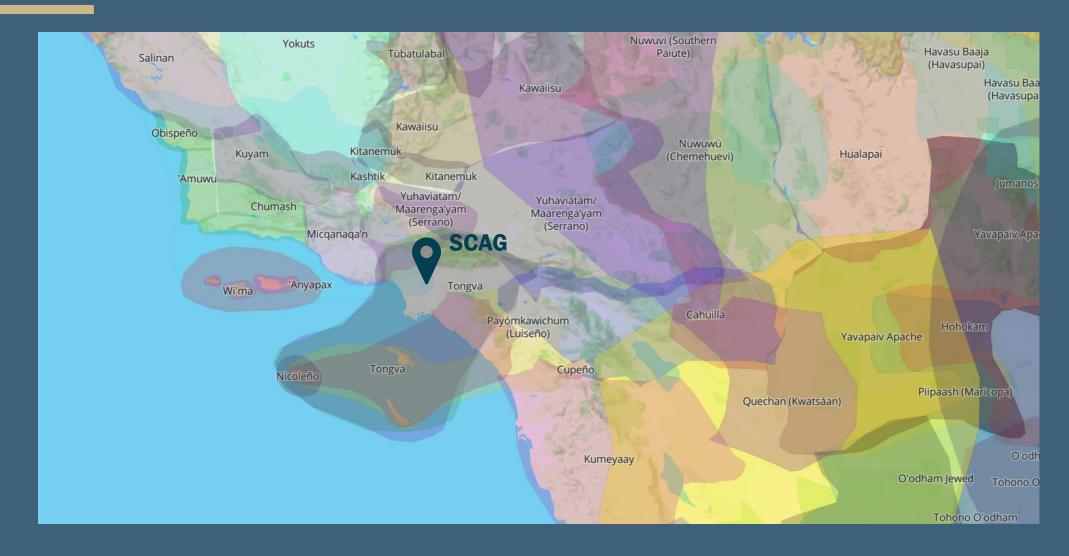


WWW.SCAG.CA.GOV

# Housekeeping

- 1. Meeting length: 1.5 hour
- 2. This meeting is being recorded
- 3. All participant lines will be muted
- 4. At the end, there will be a Q&A session
- 5. If you have a question during the presentation, please type it into the chat box or press the "raise hand" function
- 6. We will log all questions and then voice a selection at the end of the presentation
- 7. Closed captioning can be turned on by clicking "Show captions" on the Zoom ribbon
- 8. A recording of this webinar and the PowerPoint slides will be available on the SCAG website. We will send a link to everyone who has registered after the event
- 9. Please fill out our survey at the end to help us improve future Toolbox Tuesdays!

# Land Acknowledgement



## Agenda

- SCAG's Mobility Hubs Design & Implementation Guide
- Case Studies
  - Riverside Transit Agency's Vine Street Mobility Hub
  - Cal State Dominguez Hills On-Campus EV Carshare Mobility Hub
  - LADOT & Tranzito Mobility Hub Program
- Polls



#### **REGIONAL MOBILITY HUB STRATEGY**

Sirinya Matute, SCAG Senior Regional Planner

## What are Mobility Hubs?

Physical places where people can seamlessly connect with multiple modes of transportation in a safe, comfortable, and accessible environment.

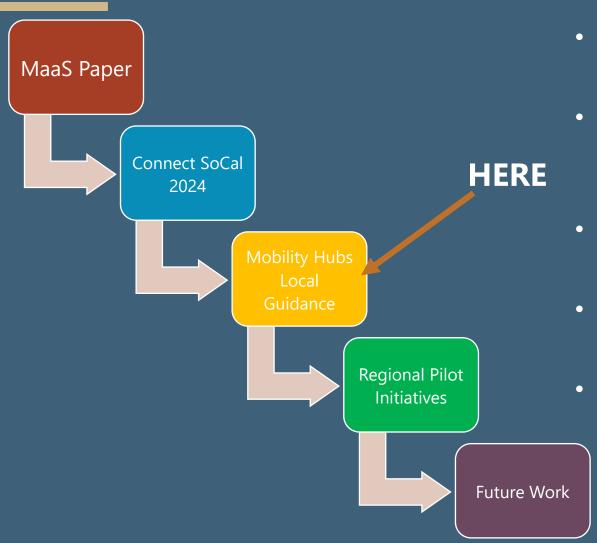


# Why Mobility Hubs?

- Support safe and convenient transfer between transportation modes
- Provide first/last mile connections to transit
- Provide travel options, esp. for those with limited mobility options
- Promote mode shift
- Motivate GHG reductions
- Placemaking
- Reduce new VMT from land development



# SCAG's Regional Mobility Hub Strategy



- Develop Design & Implementation Guide and provide training/support.
- Coordinate with stakeholders to identify and evaluate partnership and funding opportunities.
- Position locals for success in competing for grant funding.
- Continue to refine baseline network of mobility hubs.
- Develop 1-2 Mobility Hub Pilot Projects for Regional Pilots Initiative (RPI) Program.

# **Mobility Hubs Typologies**













## Stakeholder Engagement

- Activities included:
  - Outreach to public partners to share the vision, solicit feedback on the implementation guide, and secure long-term support for implementing mobility hubs.
  - Hosted mobility hub workshop attended by over 50+ people.
  - Launched webpage to promote mobility hub work at SCAG.



# Mobility Hub Design and Implementation Guide

- Organized into three parts:
  - Plan Your Mobility Hub Network
  - Design the Hub
  - Implement the Hub
    - Funding Resources
- Priority Project Conceptual Designs
- List of SCAG's Mobility Hub priority sites
- Case Studies throughout guide
- Available at scag.ca.gov/mobility-hubs



# Section 1. Plan Your Mobility Hub Network

Define what a mobility hub means for your community

Develop mobility hub typologies appropriate for your community

Identify mobility hub locations in your jurisdiction

Consider existing transportation conditions (e.g., bike and pedestrian infrastructure, transit ridership, transportation parking, etc.)

Develop conceptual designs and conduct community engagement

Develop an implementation strategy and program recommendations

# Example of Site Analysis Process

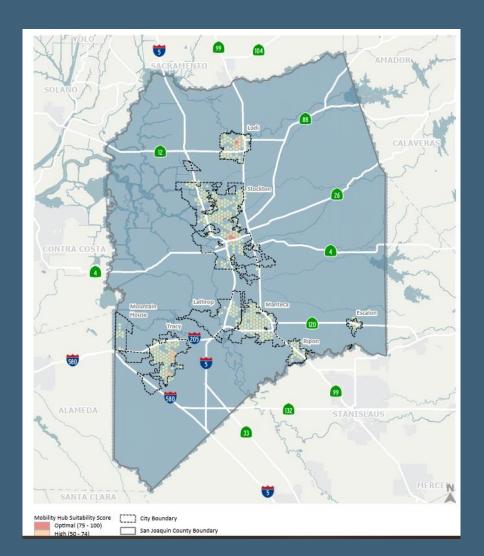
Table 16: Mobility Hub Suitability Score Categories

Mobility Hub Suitability	Mobility Hub Suitability Score	Description
Optimal	75 – 100	Locations with exceptional suitability for mobility hubs, offering the highest potential for success. These areas have strong transit networks, well-integrated bike facilities, and a built environment and land use pattern that supports sustainable transportation options.
High	50 – 74	Areas with strong potential for mobility hubs, where the built environment and land use are conducive to multimodal transportation. These locations have good transit access, bike connectivity, housing and/or employment densities that support transit use.
Moderate	25 – 49	Locations with moderate suitability for mobility hubs. These areas may have some transit and bike network access but require further infrastructure improvements or increased housing and employment densities to better support mobility hub operations.
Low	0 - 24	Areas with limited current suitability for mobility hubs. These locations may have lower transit access and densities and could benefit from further infrastructure development to better support future mobility hub operations.

Source: Fehr & Peers, November 2024.

The mobility hub suitability score is just one factor to consider when selecting a neighborhood for a mobility hub. Chapter 5 introduces a prioritization methodology that combines the suitability score with other environmental and socioeconomic factors to evaluate and prioritize potential sites for the upcoming demonstration project. This methodology can also be applied to projects beyond the planned demonstration project.

#### From SACOG's Mobility Hub Guide



## Just as Important: Outside the Mobility Hub!

Design Guide provides guidance on these topics:

- Considering the needs of pedestrians, bicyclists, transit riders
- Safety
- Accessibility and Inclusivity
- Maintenance
- Community Integration
- Environmental Integration

# Section 2. Design the Mobility Hub



#### **Key Strategies**

- Create a Sense of Place
- Ensure User Safety and Comfort
- Incorporate Tech and Electrification
- Provide resources for seamless transfers and destination-finding

#### Mobility Hub Elements

- User-Oriented Design
- Community-Centered / Community-Responsive Design
- Equity-Centered Design
- Innovation and Asset Management Design
- Cohesive Network Design

#### Design Considerations

- Access Hierarchy
- Access Considerations
- On-Site Safety to Minimize Conflicts
- Crime Prevention
- Renewable Energy
- Backup Power

#### Kit of Parts

- Transit
- Access
- Technology
- Placemaking

#### **Conceptual Designs**

 Designs illustrate how desired amenities can fit together cohesively

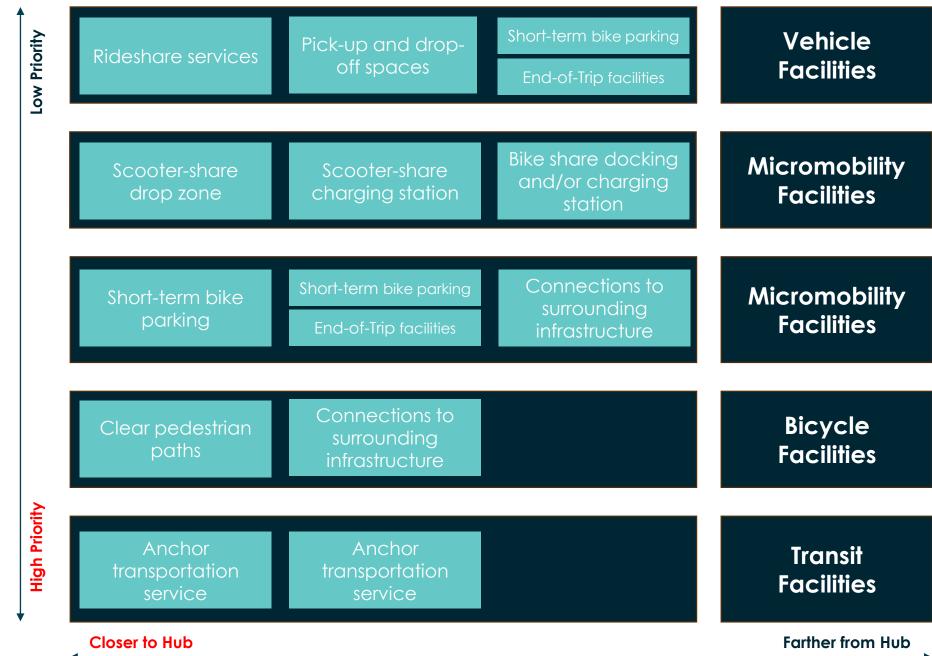
#### Design Considerations

- Access Hierarchy for Mobility Hubs
  - Recommend establishing a priority-proximity matrix to guide discussions on what to include in a mobility hub

**PRIORITY** 

**ESS** 

- Include elements and priority in relation to the center of the hub
- This is helpful and can be referenced if stakeholders have differing opinions



PROXIMITY TO HUB ANCHOR

#### Kit of Parts

The Guide includes a **Kit of Parts Table,** which summarizes specific amenities for each of SCAG's six mobility hub types.

It includes a list of elements that are either highly recommended, recommended, or not applicable for that hub.

Category	Element	Downtown Hub	Urban Hub	Emerging Urban Hub	Suburban & Rural Hub	Equity Hub	Institutional Hub
Transit and Active	Train/rail	•	•	•	•	0	•
Transportation Facilities	Bus stop/station	•	•	•	0	•	•
	Carshare	•	•	•	)	•	•
	EV parking	•	•	)	)	•	•
	Shared micromobility zone	•	•	•	)	)	•
	Pick-up and drop-off zone	•	•	•	•	•	•
	Bike facilities	•	•	•	)	•	•
Access Facilities and	Covered bus shelters	•	•	)	)	•	•
Services	Street furniture	•	•	)	0	0	0
	Bathrooms	•	•	•	•	•	•
	Package delivery lockers	•	•	)	)	•	•
	Water re-filling stations	•	•	)	)	•	•
Technology, Information,	Real-time travel information	•	•	•	)	0	•
Wayfinding	Wayfinding signage	•		•	)	•	•
	Hub area maps, facilities info	•	•				•
	Closed-circuit television cameras	•	•	•	•	•	•
	Public wi-fi and phone charging ports	•	•	•	0	•	•
	Emergency telephone	•	•	•	•	•	•
Placemaking	Community art themes	•	•	•	•	•	•
	Lighting	•	•	•	•	•	•
	Landscaping	•	•	•	•	•	•
Footnotes: 1-Mobility Hub owners offering c charging infrastructure as well	arshare with EVs should anticipate providing EV	•		y Recon			

# Section 3. Implement the Hub

# Paths to Implementation

- Pop-Ups
- Quick Build
- Full build-out
- New Development
- External Site Improvements

#### Ongoing Adjustments

- Managing
   Data at the
   Curb
- Performance Metrics

# Operations & Maintenance

- Operations Control
- Monitoring
- Active Management

#### Funding Resources

- Regional
- State
- Federal

# Public-Private Partnerships

- Operations and Maintenance (ie JCDecaux)
- Design-Build
- Design-Build-Operate-Maintain
- Design-Build-Finance-Operate or Maintain

#### Case Studies

- 710 North Mobility Hubs Study
- MTC EV Car Share in Affordable Housing Pilot
- Advertiser-Supported Bus Stops (LADOT/Tranzito)
- East Boston GoHubs! Pilot Program

#### Case Study: SCAG's 710 North Mobility Hubs Study

SCAG, Los Angeles. County Public Works, the Los Angeles Department of Transportation, California State University L.A., the city of South Pasadena, the city of Alhambra, and Metro partnered to create the <u>710 North Mobility Hubs Plan</u>. This plan showcased how meaningful community engagement can help create conceptual plans of mobility hubs that incorporate stakeholder feedback.



## Conceptual Designs

- SCAG's Mobility Hub Guide includes four priority project conceptual designs, gap and opportunity analysis and a project cut sheet containing cost estimates.
- Burbank, Fontana,
   Moorpark, and Perris.



# **Partnerships**

- Advice from the guide
  - Partnership roles and responsibilities should be defined for the planning, development, maintenance, and operations of the hub, and should include identifying the following:
    - Potential Partners and Stakeholders
    - Project Champions
    - Project Support
    - Approval Processes & Necessary Agreements (MOUs, contracts, etc)

#### Best Practice: Orange County Mobility Hub Strategy

In the Orange County Mobility Hub Strategy, the Orange County Transportation Authority (OCTA) describes how to define responsibilities between the different stakeholders involved in the creation and maintenance of a mobility hub. First, they recommend defining the area of governance and defining the party or parties involved in each area of governance. In Orange County, governance for mobility hubs involves five major stakeholder groups, including landowners, public transit operators, regional policy and funding agencies, major utility providers, and local community-based organizations. The following framing questions help to establish responsibilities and a governance structure:

- 1. What are the primary objectives of a mobility hub coalition?
- 2. Who can realistically provide the resources to lead the effort?
- 3. What historic precedents and relationships are there?

Examples of different governance scenarios are shown in the following table:

Governance Option	OCTA Level of Control		OCTA Level of Funding	Level of Harmonization across the region
OCTA MH Office	•••	•••	•••	••
OCMH JPA	••	••	••	•••
ОСМН ТМА	-	•	-	••
OCMH WG	•	•	-	•

#### Legend

- High
- Medium
- Low
- \_ None

### **Next Steps**

- Share the Mobility Hub Guide
- Advance 1-2 conceptual designs further through implementation as part of the RPI Program
- Continue relationship building with LA28 Games Mobility Executives- Mobility Hub Subcommittee partners





#### **VINE STREET MOBILITY HUB**

**Jennifer Nguyen, Riverside Transit Agency** 

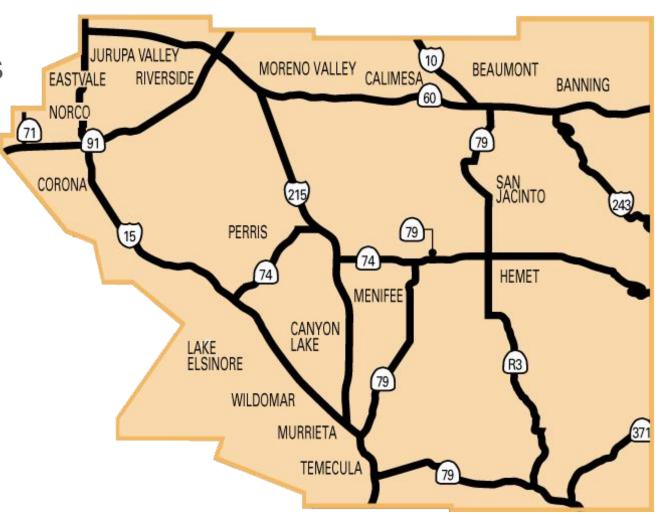
# Riverside Transit Agency Vine Street Mobility Hub March 18, 2025



# **Riverside Transit Agency**

 Established as a Joint Powers Agency on August 15,1975

- Service began on March 16, 1977
- Service area: 2,500 square miles of western Riverside County
- 18 cities and Supervisorial Districts I, II, III and V





# **RTA Bus Services**

#### **Fixed Routes**

32 Local fixed routes

3 CommuterLink routes

- »Riverside County
- »Orange County
- »San Bernardino County

#### **GoMicro Microtransit**

Bus stop-to-bus stop, advanced reservation service in the Hemet & San Jacinto area.

#### **Dial-A-Ride Service**

Curb-to-curb, advanced reservation service for seniors age 65 and above and persons with disabilities.

**Total Bus Fleet: 290 buses** 





# TCC and AHSC Grants

- Funded by the State of California's Strategic Growth Council
- Grants encourage transformative, projects that reduce greenhouse gas (GHG) emissions and create healthier communities.
- Total award of \$31.2 million
- 14 partners



# EASTSIDE CLIMATE COLLABORATIVE

CITY OF RIVERSIDE























#### City of Riverside Will Use \$31.2 Million Grant for Neighborhood Revitalization

Transformative Climate Communities and Affordable Housing and Sustainable Communities grants will help improve quality of life in city's Eastside neighborhood



# **Transit Connection Program**





- 2,304 CommuterLink Monthly Passes
  - Issued to Entrada residents
  - One pass per unit for three years
  - Travel Training
- 4,356 CommuterLink Monthly Passes
  - Issued to residents of the project area
  - 3 year period (1,452 passes/year)
  - Managed by Wakeland Housing and Development Corporation
- Benefits of Passes
  - Access to free transportation that is safe, reliable and efficient
  - Increased access to higher education and job opportunities
  - Reduced congestion
  - Improved air quality



# Vine Street Mobility Hub



#### **Project Benefits:**

- Increased safety, security and comfort while waiting for transfers
- Central location where passengers can transfer to regional routes
- Improved connection between bus and rail
- Increased ridership
- Reduced congestion improves public health
- Getting more people on public transportation improves air quality and reduces greenhouse gases, a key requirement of the grant program



# Community Engagement Conceptual Plan

# Completed

- Survey made available on RTA's website
- In-person surveying in downtown Riverside
- 215 surveys completed
- Door-to-DoorCanvasing at over2,500 homes
- 176 mailers delivered
- 2 Visioning Workshop







#### **ONLINE PUBLIC WORKSHOP**

Please join us to learn about the Vine Street Mobility Hub Final Design

#### **WE HEARD YOU AND APPRECIATE YOUR INPUT!**

The Riverside Transit Agency (RTA) will hold its next Vine Street Mobility Hub online public workshop to share information.

The virtual workshop, which runs August 5-11, will be our fourth such event on the mobility hub planned near downtown Riverside across from the Riverside-Downtown Metrolink Station.

The workshop is a great resource for stakeholders, including the public, to learn more about this significant project and get updates on what we heard from the public during the workshops held in February and June 2020 and April 2021.

The virtual meeting room will focus on the following:

- Project Area
- Site Plan
- Station Elements
- · Concepts/Designs
- Project Schedule
- Overview Sheet
- Feedback Station



#### DATE:

Thursday, August 5, 2021 through Wednesday, August 11, 2021



Visit the project website at vinestmobilityhub.com to access this workshop in the virtual meeting room.



# Community Engagement Final Design

## Completed

- Survey made available on RTA's website
- Social Media Notifications
- Email Notifications
- Door-to-Door Canvasing at over 2,500 homes
- 2 Public Workshops
  - April 15-20, 2021
  - August 5-11, 2021

#### Let's Keep Moving Together

Please take the short survey on the project website to provide your input and help RTA improve mobility throughout the region: vinestmobilityhub.com



























## **Lessons Learned**

#### Construction

- Design-Build versus Design-Bid-Build
- Keep detailed RFI and submittal logs
- Accurate project schedule from the beginning
- Liquidated damages

### Operations

- Have strong partnerships
- Have operations test it out beforehand
- Onsite security
- Make it more than just a mobility hub



# Thank you

Jennifer Nguyen
Director of Planning
<a href="mailto:jnguyen@riversidetransit.com">jnguyen@riversidetransit.com</a>
(951) 565-5132





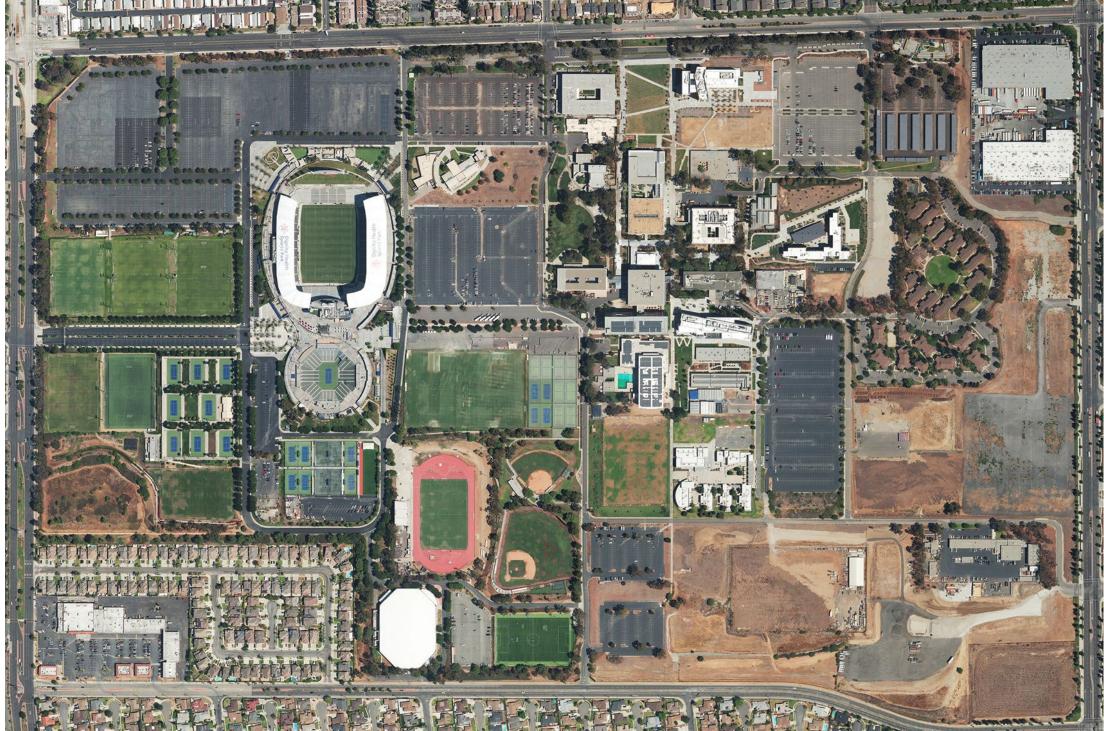
### **ON-CAMPUS MOBILITY HUB CASE STUDY**

**Yancey Modesto, Cal State Dominguez Hills** 



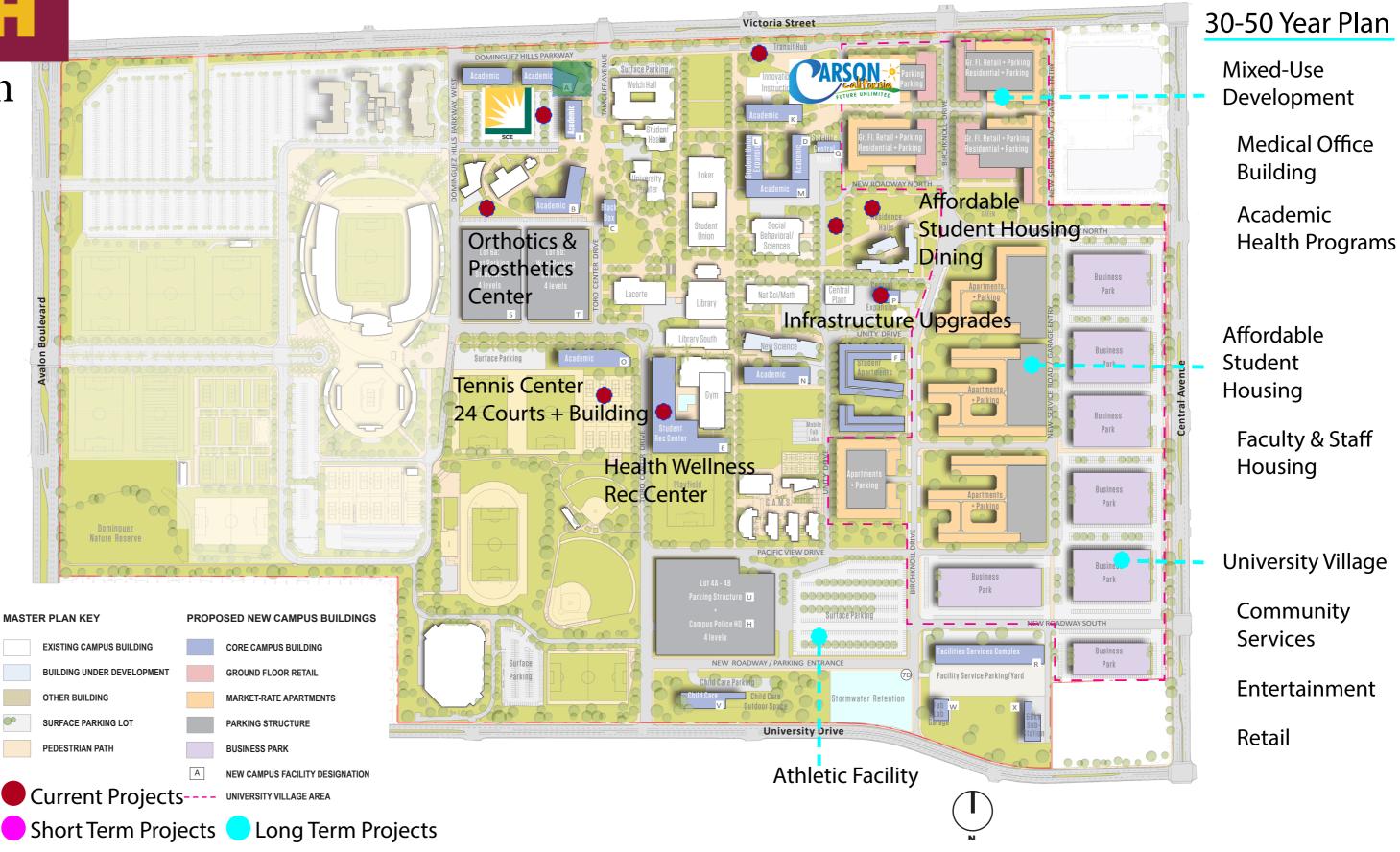
### **Campus FY2024-25**

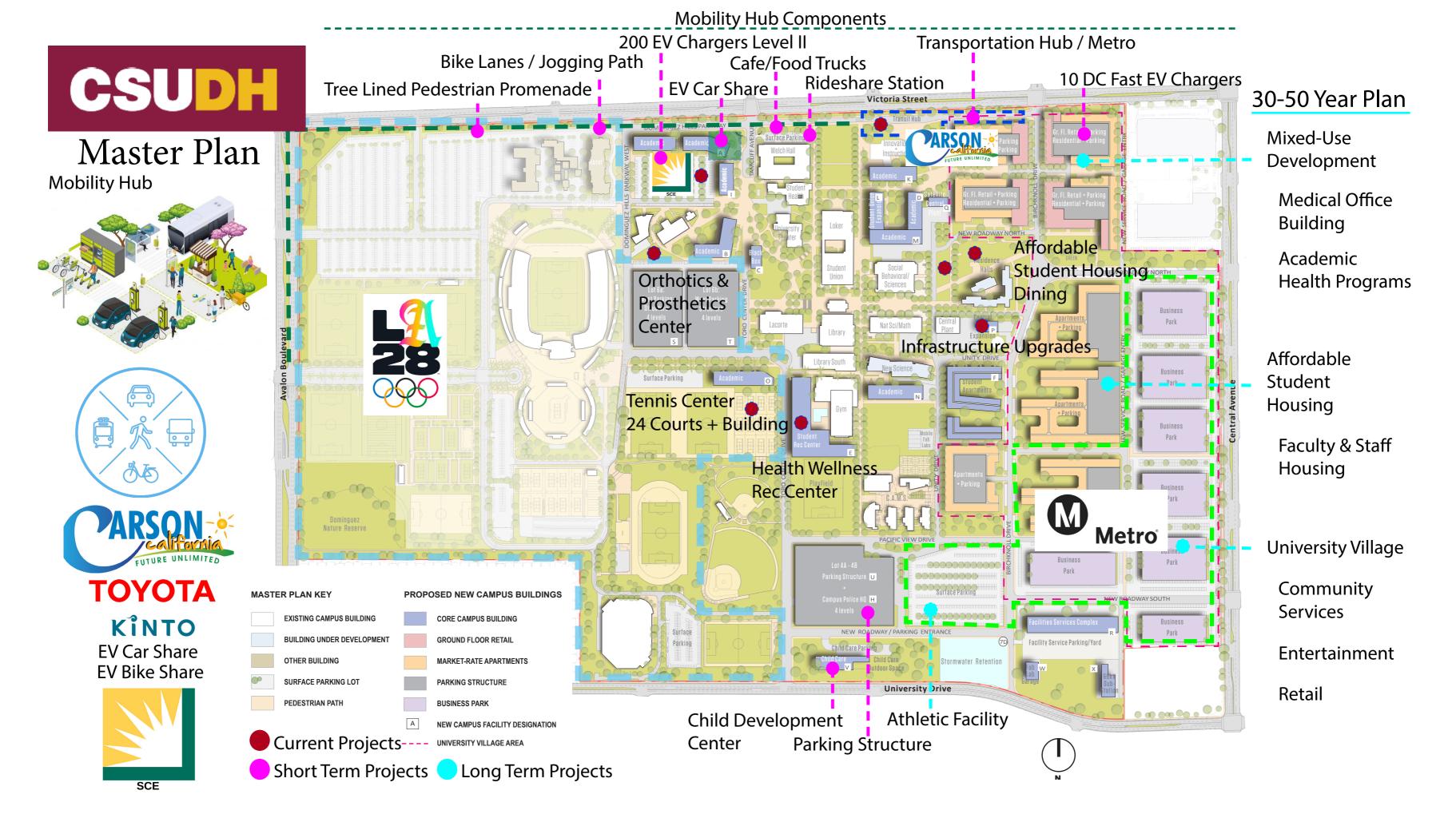




CSUDH

Master Plan







# Affordable Student Housing Ph. 4 & Dining Commons Fall 2026 - 288 Beds – 350 Dining Seats



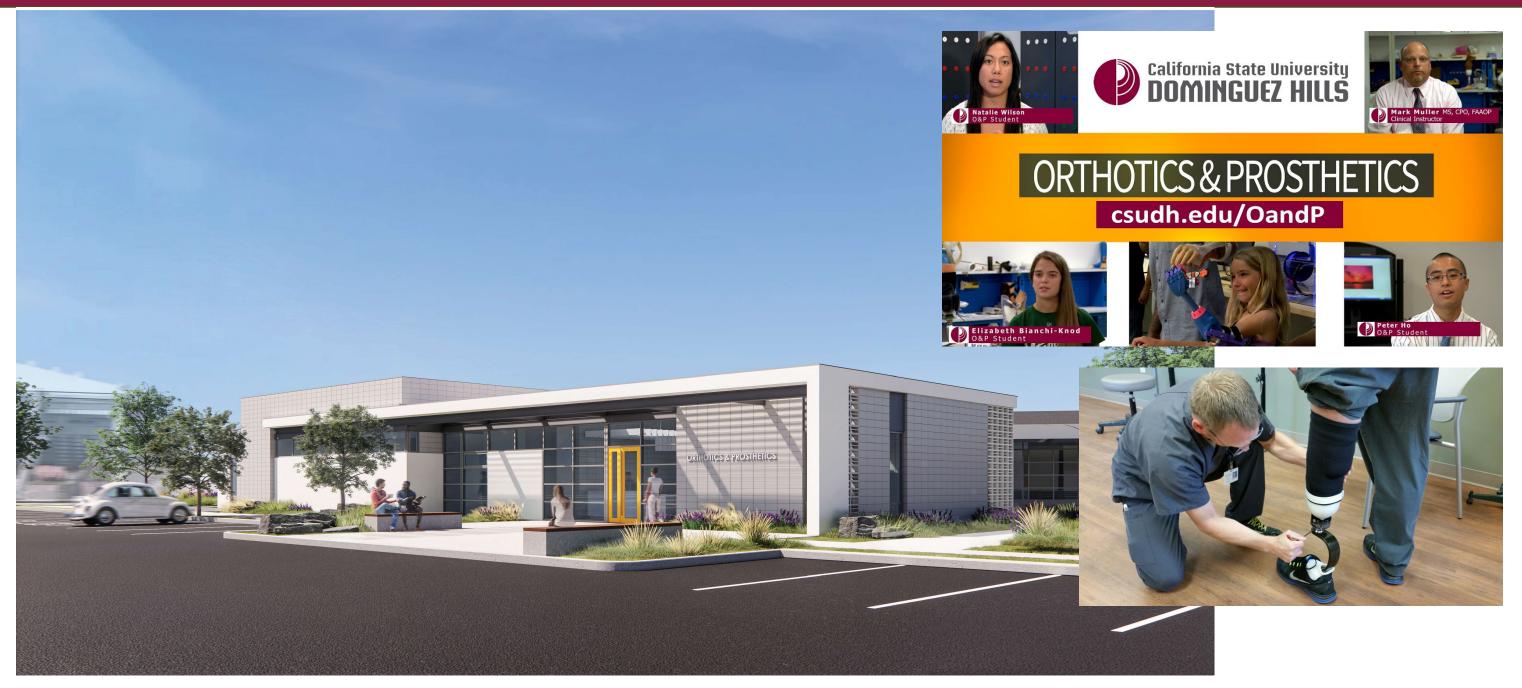


### **Heath & Wellness Recreation Center – Fall 2026**





# Orthotics and Prosthetics – Winter 2025 5,000 SF New Facility





# **CSUDH**Planned Project

# Orthotics and Prosthetics @ Parking Lot 6 South of College of Continuing Professional









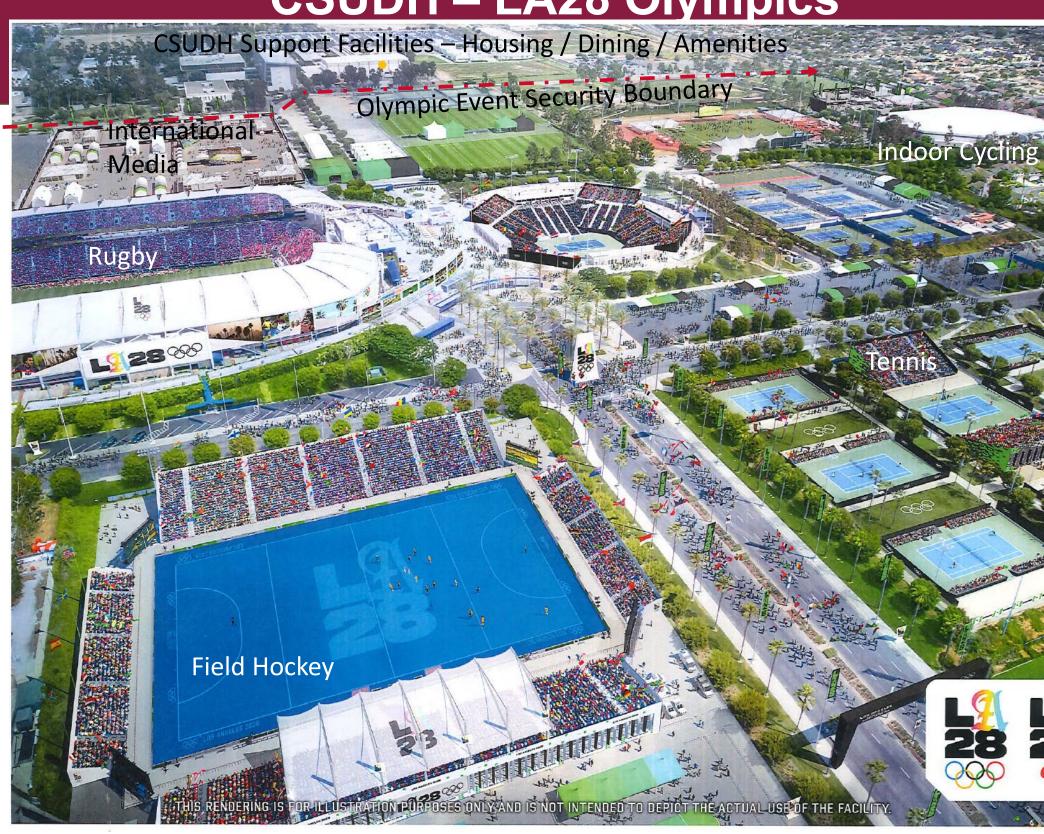
# **CSUDH**







CSUDH – LA28 Olympics





## **CSUDH – LA28 Olympics**



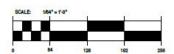


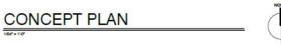




## City of Carson – Metro Transportation Hub













11 communities | 382 neighborhoods | 632,000 residents

### **Mobility for All**

**CREST 1.0** 

CENTER FOR RESILIENT, EQUITABLE & SUSTAINABLE TRANSPORTATION



Cal State University Dominguez Hills

Multi-Modal Transit Station Conceptual Plan



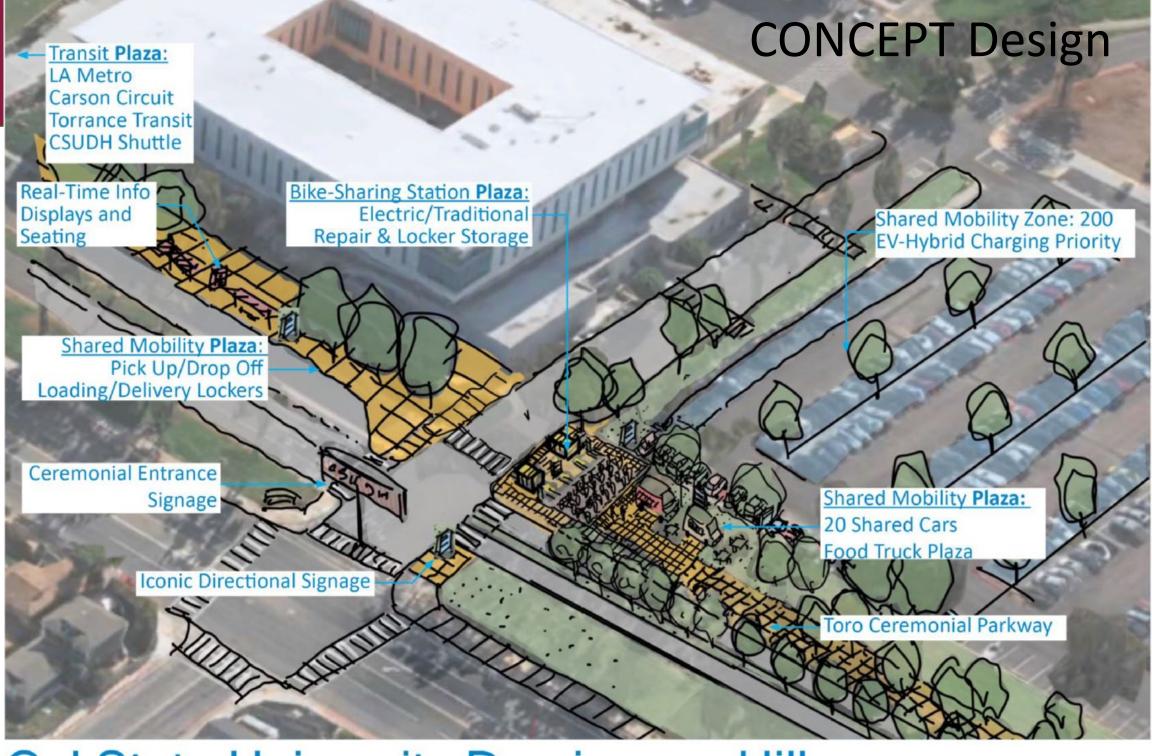


11 communities | 382 neighborhoods | 632,000 residents

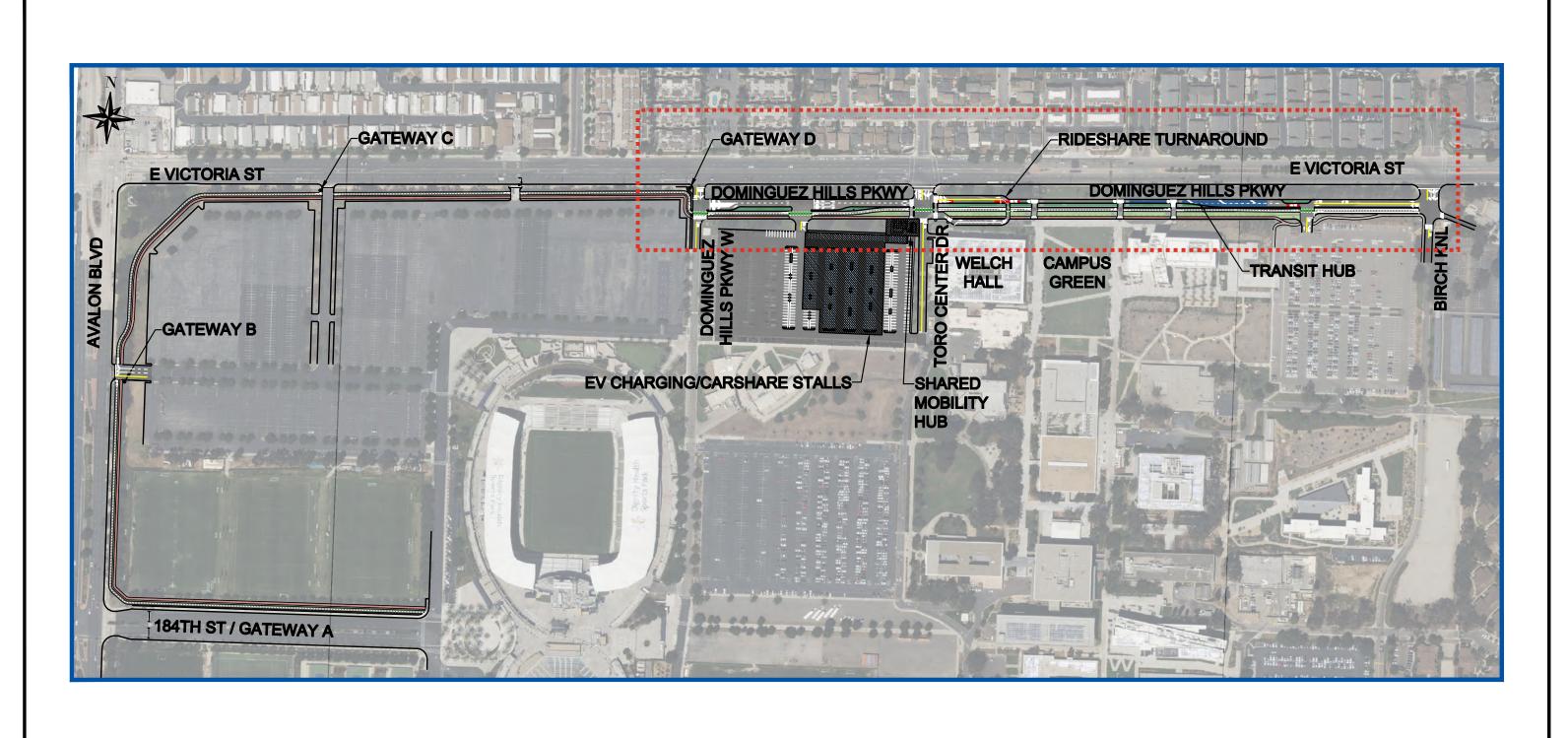
### **Mobility for All**

**CREST 1.0** 

CENTER FOR RESILIENT, EQUITABLE & SUSTAINABLE TRANSPORTATION



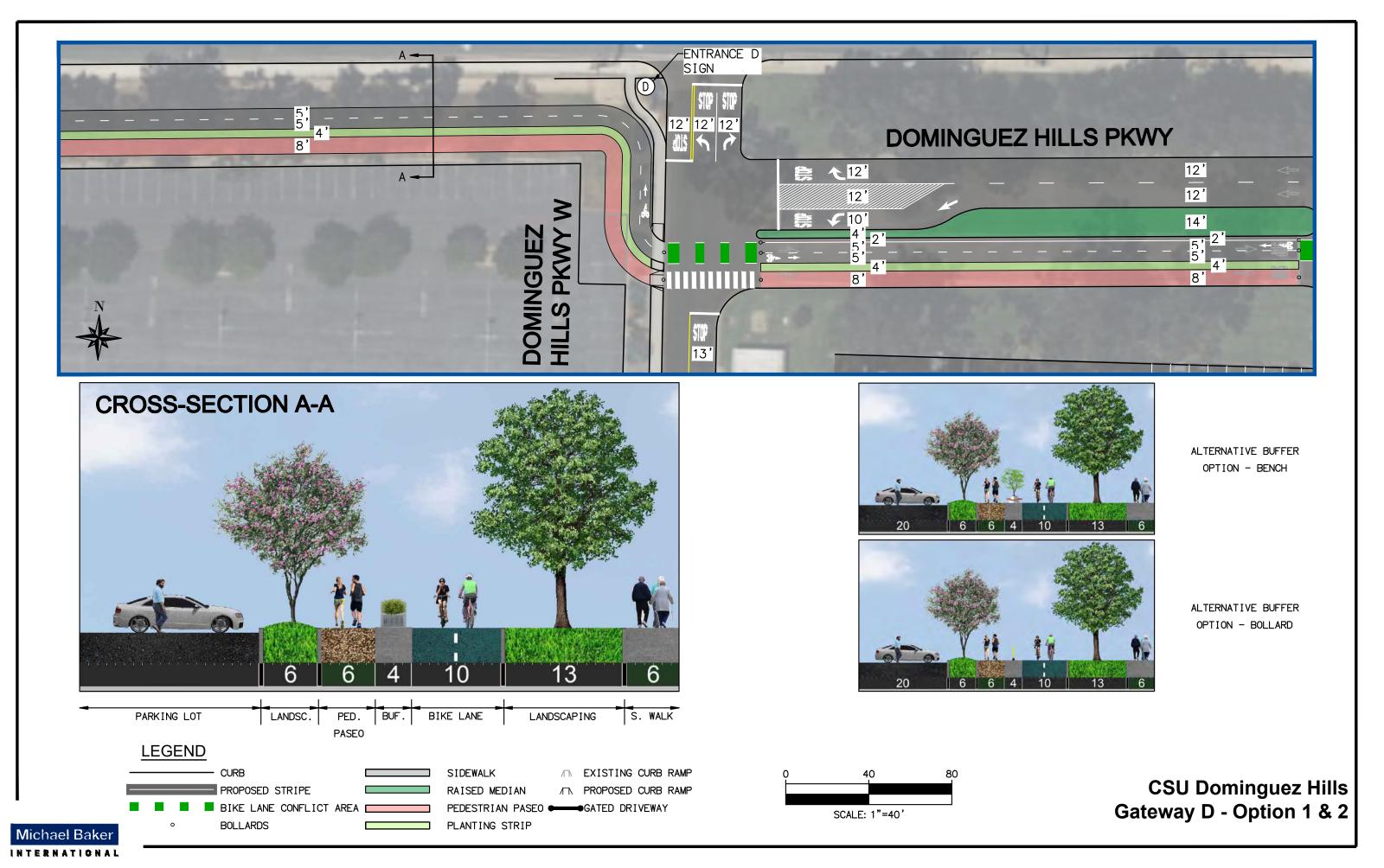
Cal State University Dominguez Hills Shared-Mobility Detailed Conceptual Plan

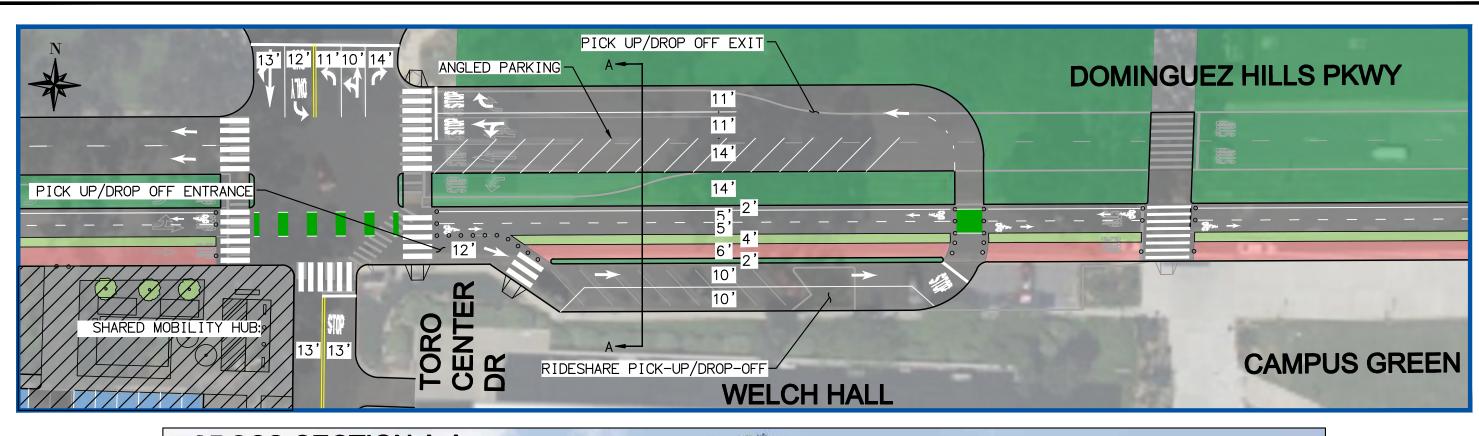


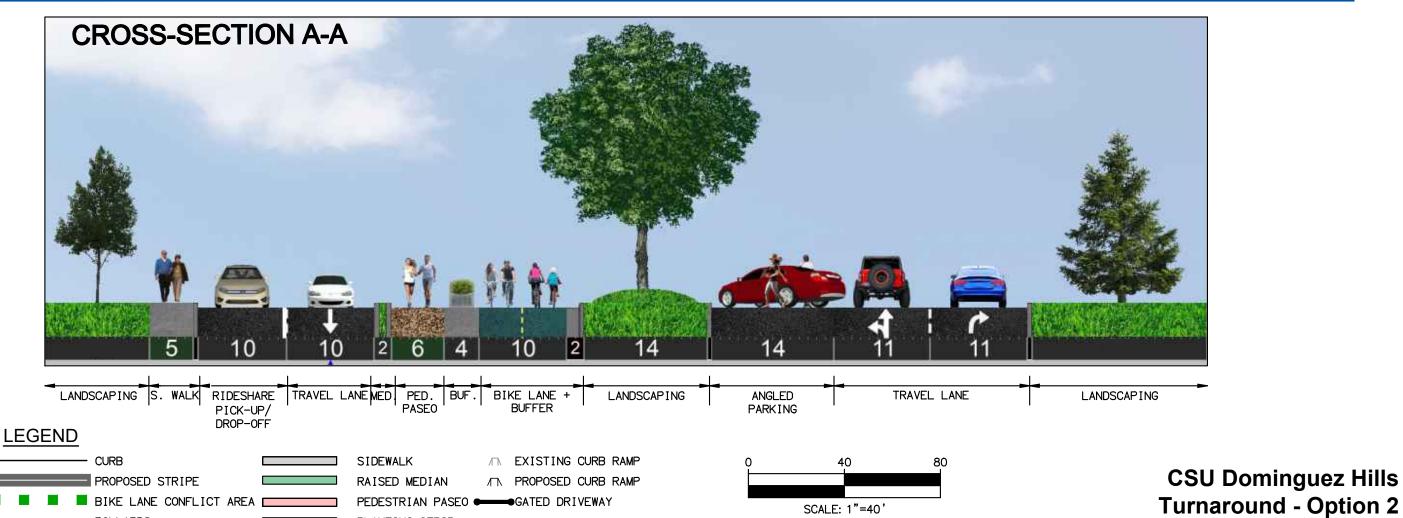
SCALE: 1"=300'



**CSU Dominguez Hills Concept Plan - Option 1** 







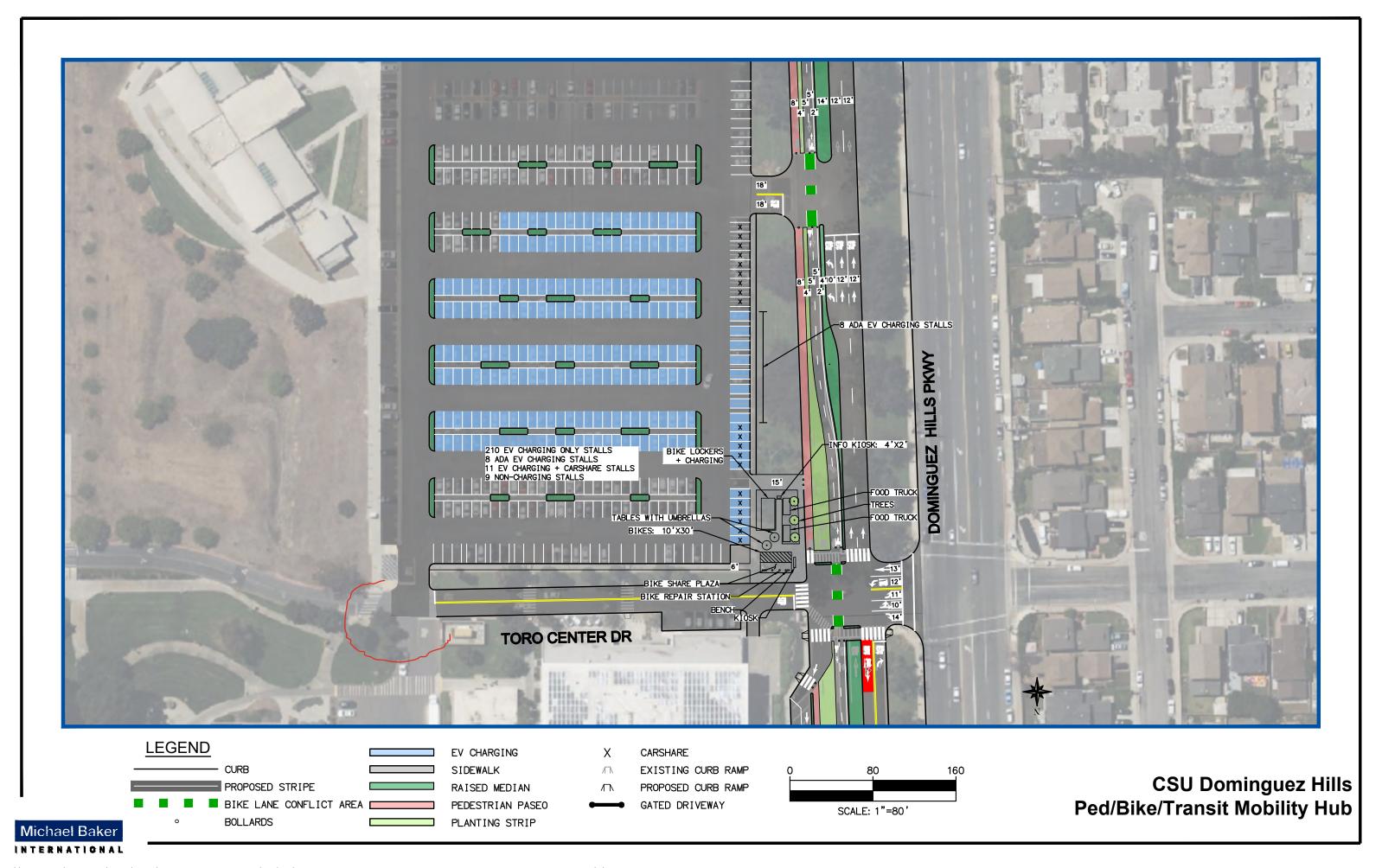
SCALE: 1"=40'

PEDESTRIAN PASEO ← GATED DRIVEWAY

PLANTING STRIP

■ BIKE LANE CONFLICT AREA

BOLLARDS



## **CSUDH**

**CSUDH Historic Record** 

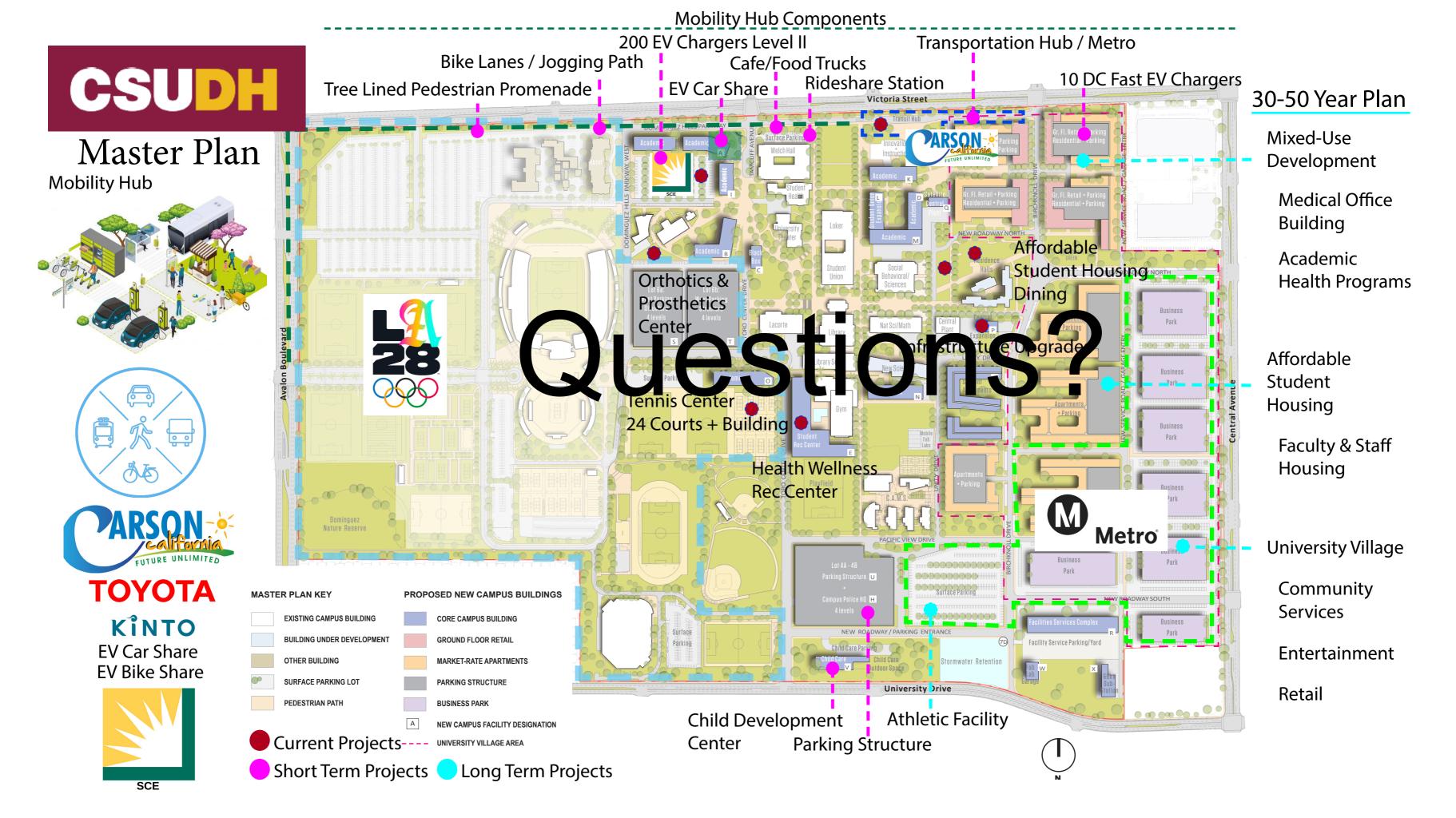
## r the Games of the XXIII Olymp





# CSUDH – 1984 Olympics

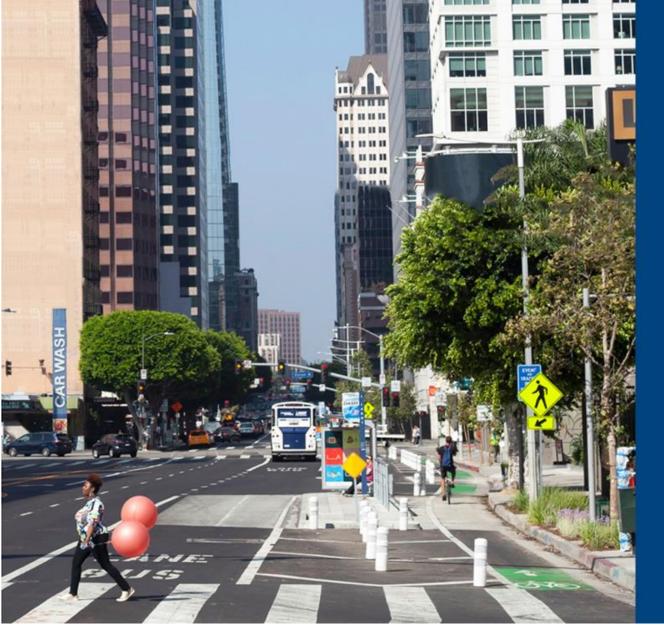






### **LADOT MOBILITY HUB PROGRAM**

**Salvador Gutierrez, Supervising Transportation Planner for LADOT Gene Oh, CEO/Co-Founder, Tranzito** 



# Mobility Hubs in Los Angeles

Salvador Gutierrez Commercial Rideshare and Mobility Division March 18, 2025

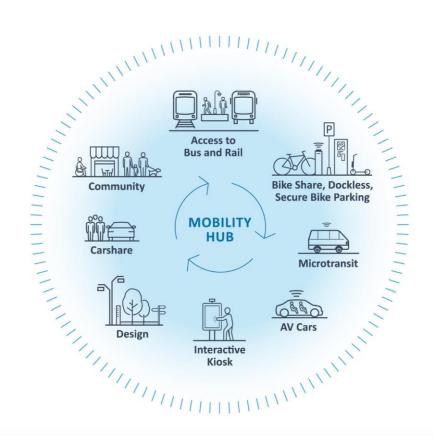






### **Integrated Mobility Hubs Project**

- 2009 Metro Call for Projects Congestion Mitigation and Air Quality Improvement
- 2010 Job Access & Reverse Commute proposal
- 2014 Comprehensive Needs Assessment
- 2014 Operating Plan
- 2019 Request for Proposal Released
- 2022 Metro Board Approved Measure M funds
- 2024 Contract Execution
- 2024 Technical Advisory Committee formed





# Project Vision

CAR SHARE BIKE SHARE BRANDING BIKE PARKING COMMUNITY INFORMATION DROP-OFF ZONE CHARGING STATION

Provide people more options to get around.

Turn traditional and modern transportation into a seamless experience.

Help people that are unfamiliar with alternative modes to be comfortable to new modes.

for the first mile/last mile for riders.

Provide
people with
Mobility Hubs
to meet all
their
transportation
needs.



# Hub

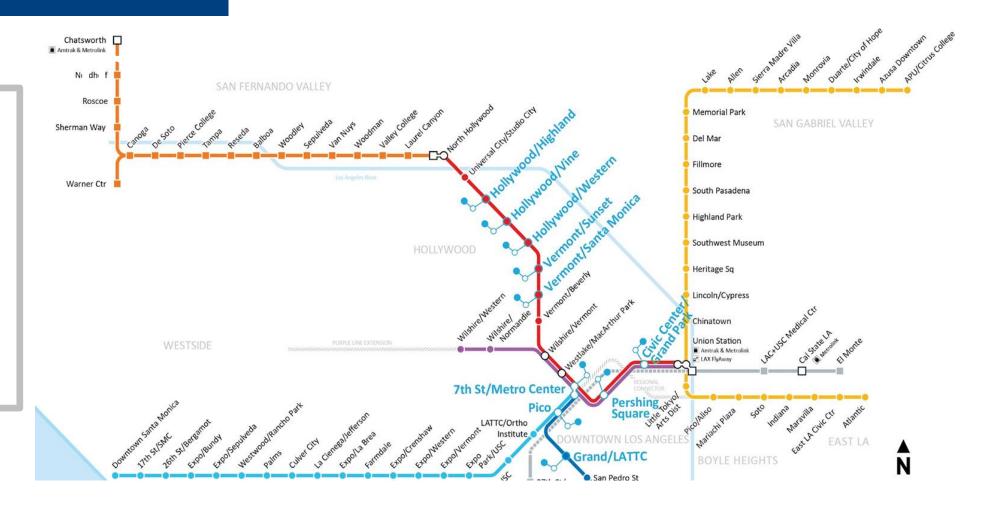
**13 Primary Mobility Hubs** 

(5 - DTLA)

(5 – Hollywood)

(3 – Long Beach, Secure Parking Only)

**85 Satellite Hubs** 





### Mobility is always evolving



### Mobility Data Specification & Digital Infrastructure

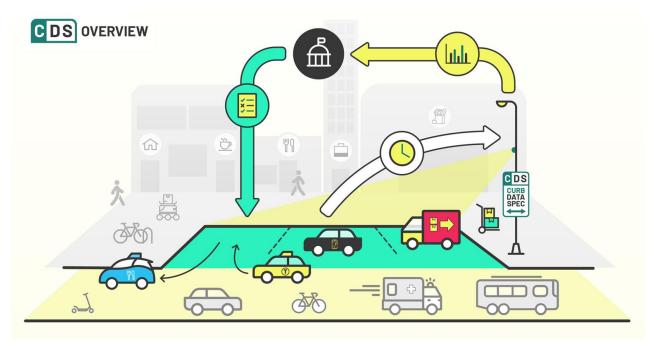


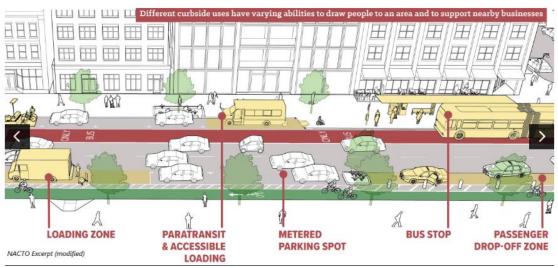






### Curb Data Specification and Monitoring Curb

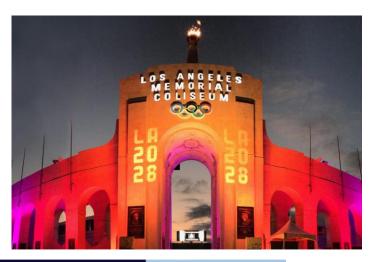






### Los Angeles hosting numerous international large scale events













### Opportunity for Innovative Mobility Solutions

- Data informs cities how to plan for infrastructure improvements and regulate the curb based on demand
- Overall, the Integrated Mobility Hubs
   Project will inform how the City
   defines mobility hubs and how we
   prioritize locations
- Strategically coordinate the City's infrastructure projects and LADOT's initiatives and work streams



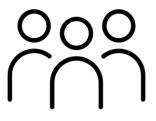






### Challenges









Grant requirements

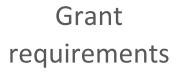
Governance

Geography

Funding





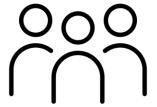






Capitalize OpEx expenses "Product-ize" staffing expenses























Governance

Public

Non-Profit

Private





LADWP



BOS

BOS

LADOT

Property Owners

Geography

Get to Yes

LADOT LAPD

BSS

BOS

Caltrans

LAFD

BSS

BOS

LACFCD

BOS

LACFCD

CBS-Decaux

Tranzito Vector

LADOT



Funding



Design-Build-Operate-Maintain



Pilot of Pilots



**Grants SOP** 

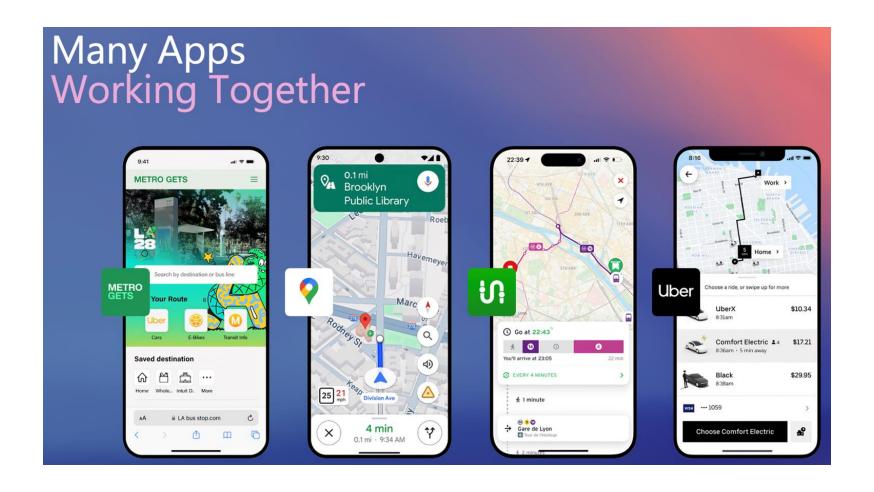


### Solutions - Get Creative and Integrate





### Solutions - Get Creative and Integrate





# Tell us how we did!

Take a quick 2-minute survey to help us improve future Toolbox Tuesdays!

