

# Local Travel Network: Steps Towards Implementation

El Segundo  
City Council  
June 6, 2023



# What is the South Bay Local Travel Network?

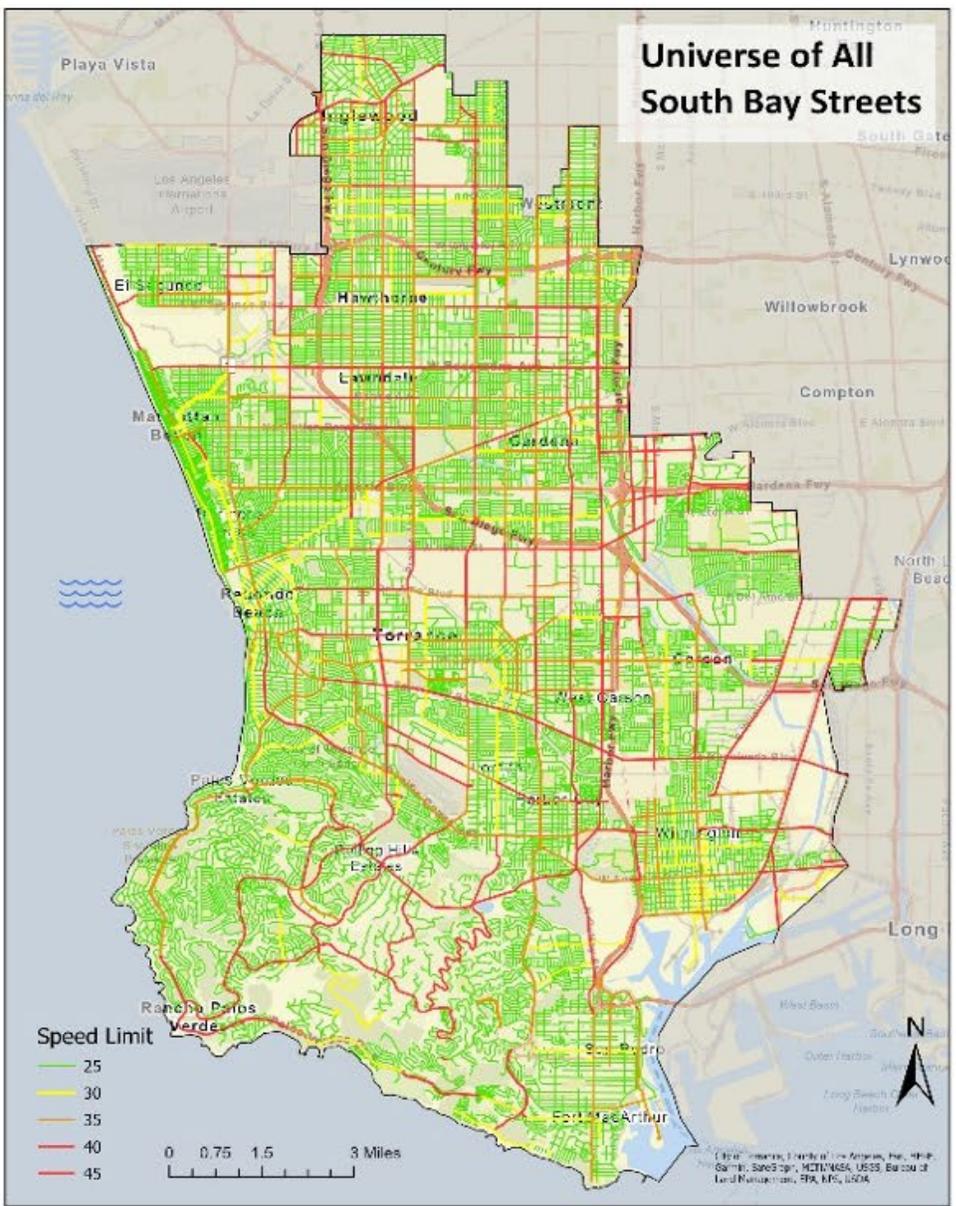
*Connecting  
Neighborhoods  
to  
Neighborhoods  
to  
Destinations*

- A 243-mile route-network overlayed on the South Bay's 2,000 miles of streets
- To provide South Bay residents with safe and efficient routes to reach frequent destinations using zero-emission micro-mobility devices
- ***Slow-Speed Streets (mostly 25 mph)***
- ***Traffic signals to cross busy, fast-moving streets***
- Automobiles will share the roadway with micro-devices on the LTN without dedicated lanes – via a system of “sharrows”

***This is about personally-owned vehicles***

***This is NOT about rental scooters***

### Universe of All South Bay Streets



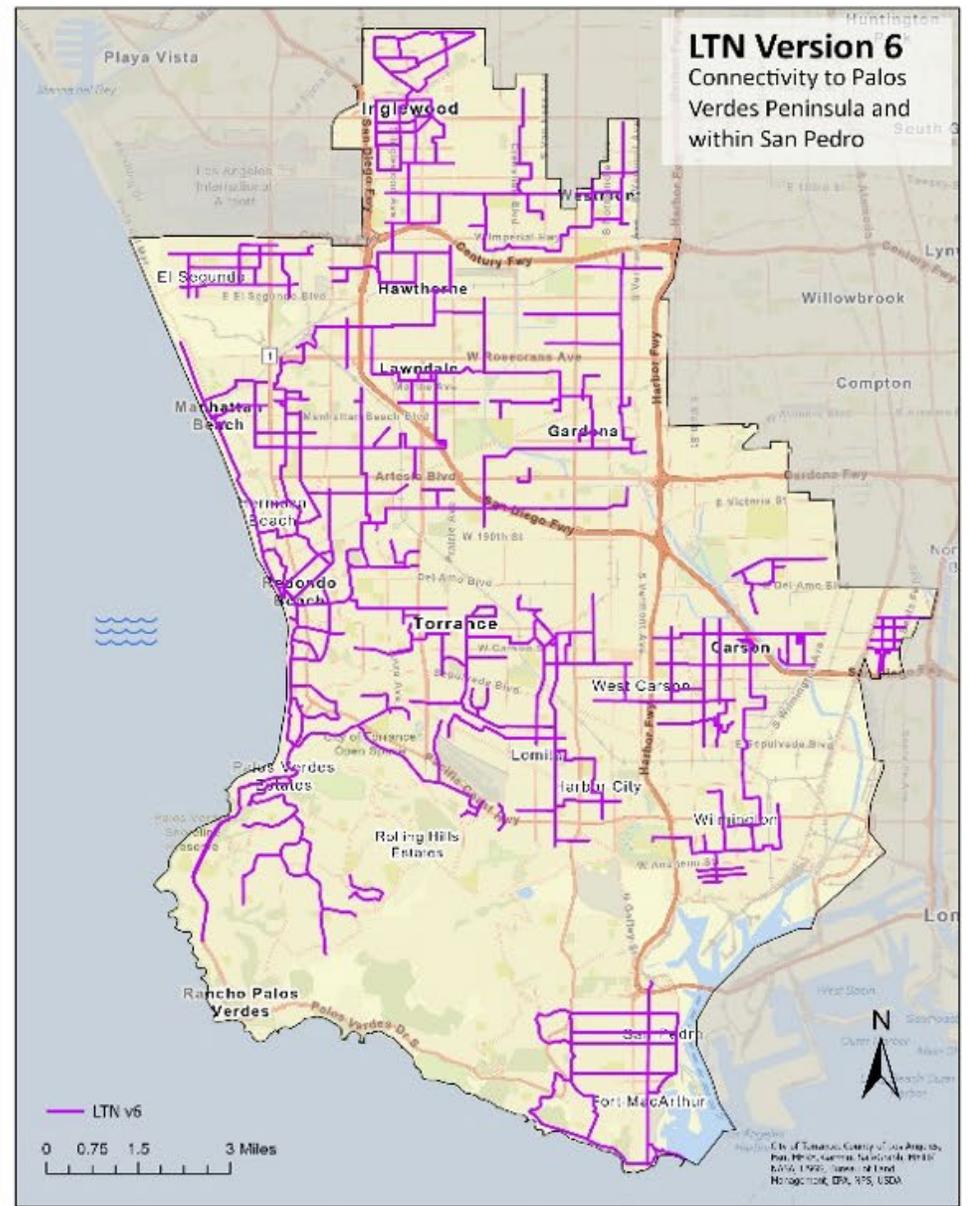
**Refinement:  
2000 Miles of South Bay  
Streets to  
243-Route Miles for  
Local Travel Network**



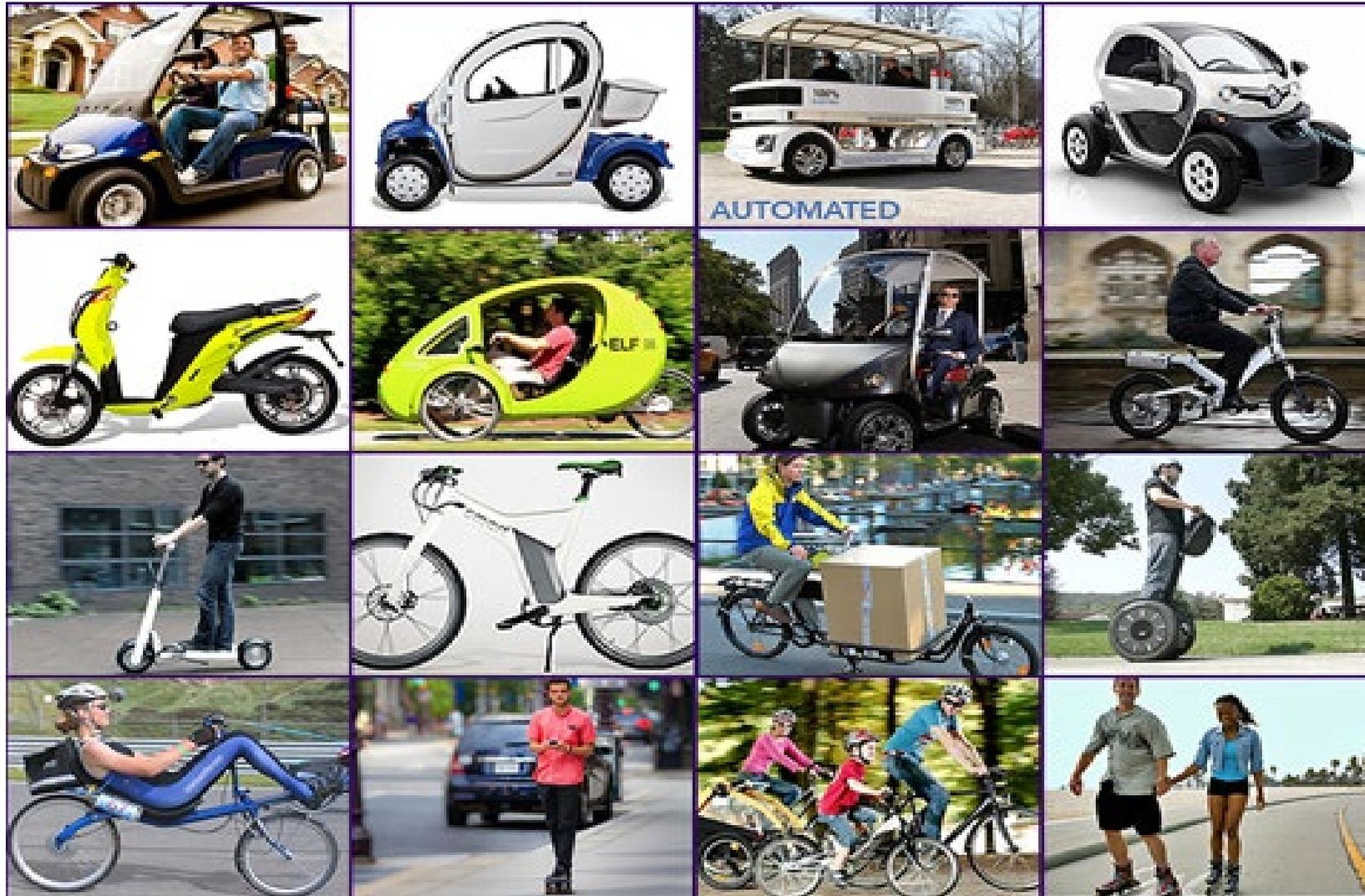
*“Connecting Neighborhoods to  
Neighborhoods to Destinations”*

*Crossings at Controlled  
Intersections*

### LTN Version 6 Connectivity to Palos Verdes Peninsula and within San Pedro

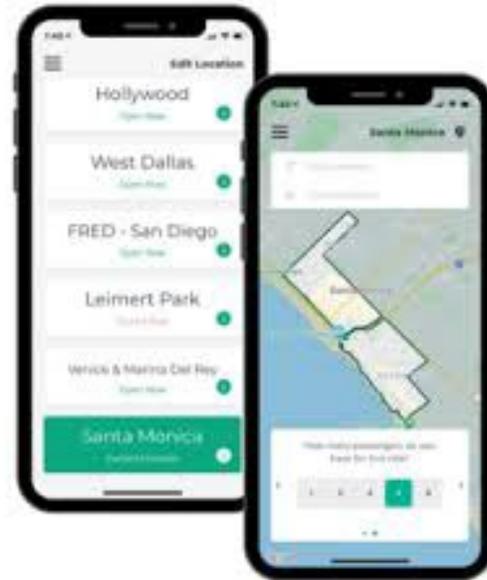


# Zero Emission Micro-Mobility Modes on Local Travel Network





# Micro-Mobility as a Service



# Micro-Mobility: Resident Benefits

- **Satisfies mobility needs**
  - 70% of trips are local – less than 3 miles
  - 90% are less than 10 miles -- within range
- **Safe** due to slow speed
  - Maximum speed varies from 10 to 25 MPH
  - Low mass, low impact
- **Equitable** -- affordable zero emission mobility
  - Low purchase cost relative to a personal vehicle - \$1,500 to \$12,000 – used half price
  - Low maintenance costs
  - Low fueling costs
- Delivers **high quality** mobility service
  - Door to door, on-demand

# Micro-Mobility: Society Benefits

- Reduce **congestion** on major arterials by spreading the traffic out into neighborhoods at very low volume (currently 80% traffic on 20% of streets)
- Improve **air quality** by eliminating cold starts and use of more ZEV modes
- Reduce **GHG emissions** through electric drive
- Supports **public transit** services
  - First/last mile – reduce demand for rail feeder services
  - Mobility hubs increase service speed by reducing local stops
- Very low-cost **infrastructure investment without long lead times**
  - No construction costs
  - Level 1 charging, L2 not required.
- Makes **housing** more affordable
  - Reduce household mobility costs freeing budgets for housing costs
  - Reduces construction costs by allowing limited space for parking
  - Incentivizes planners and project developers to locate goods and services near or as part of the local travel network

# Micro-Mobility: Community Benefits

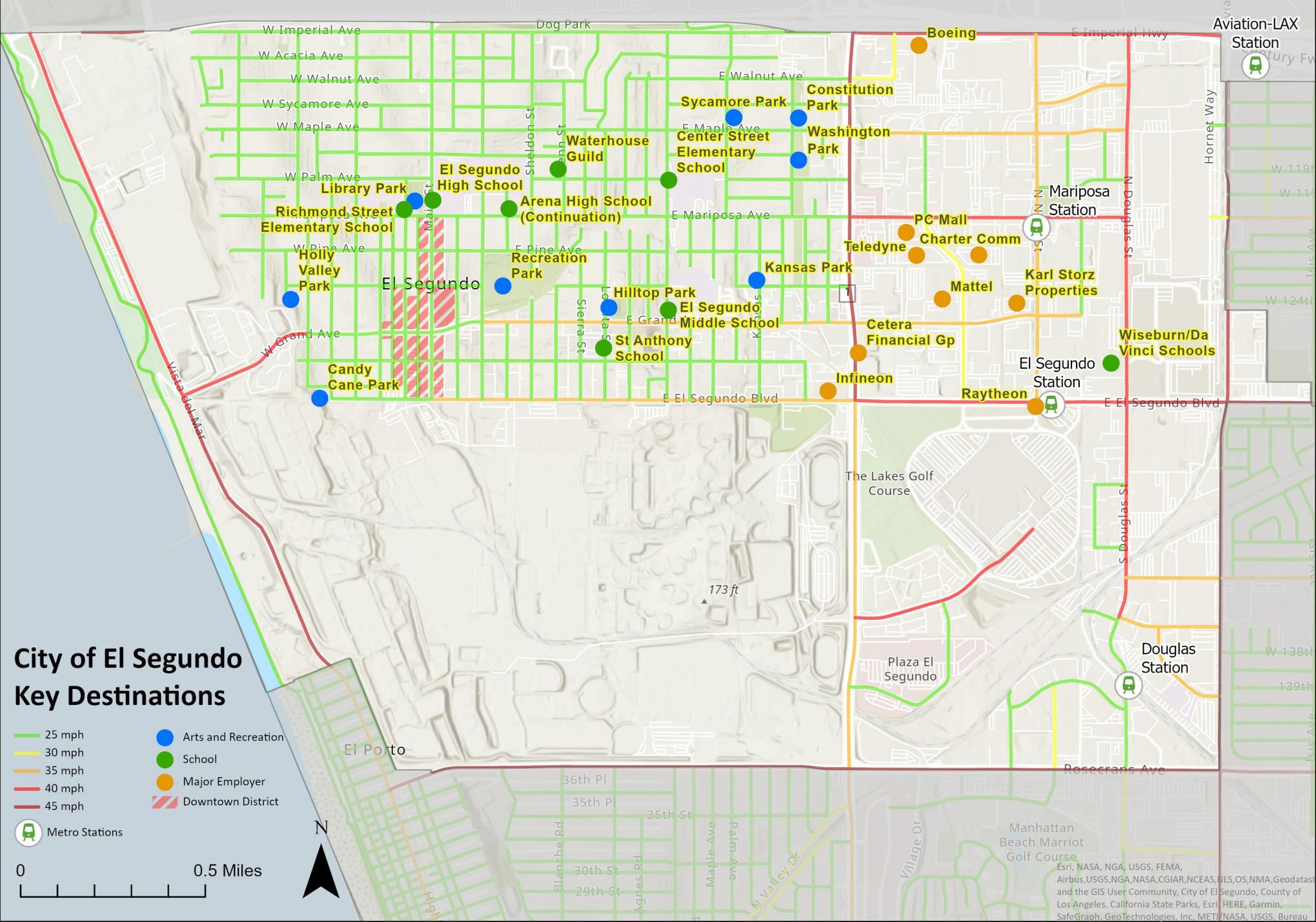
- *Access to lower cost zero emission mobility*
- *Vehicles designed for mobility-challenged*
- *First/Last Mile services*
- *Improved Street Safety for local trips*
- *Improved Air Quality*
- *Reduced GHG Emission*



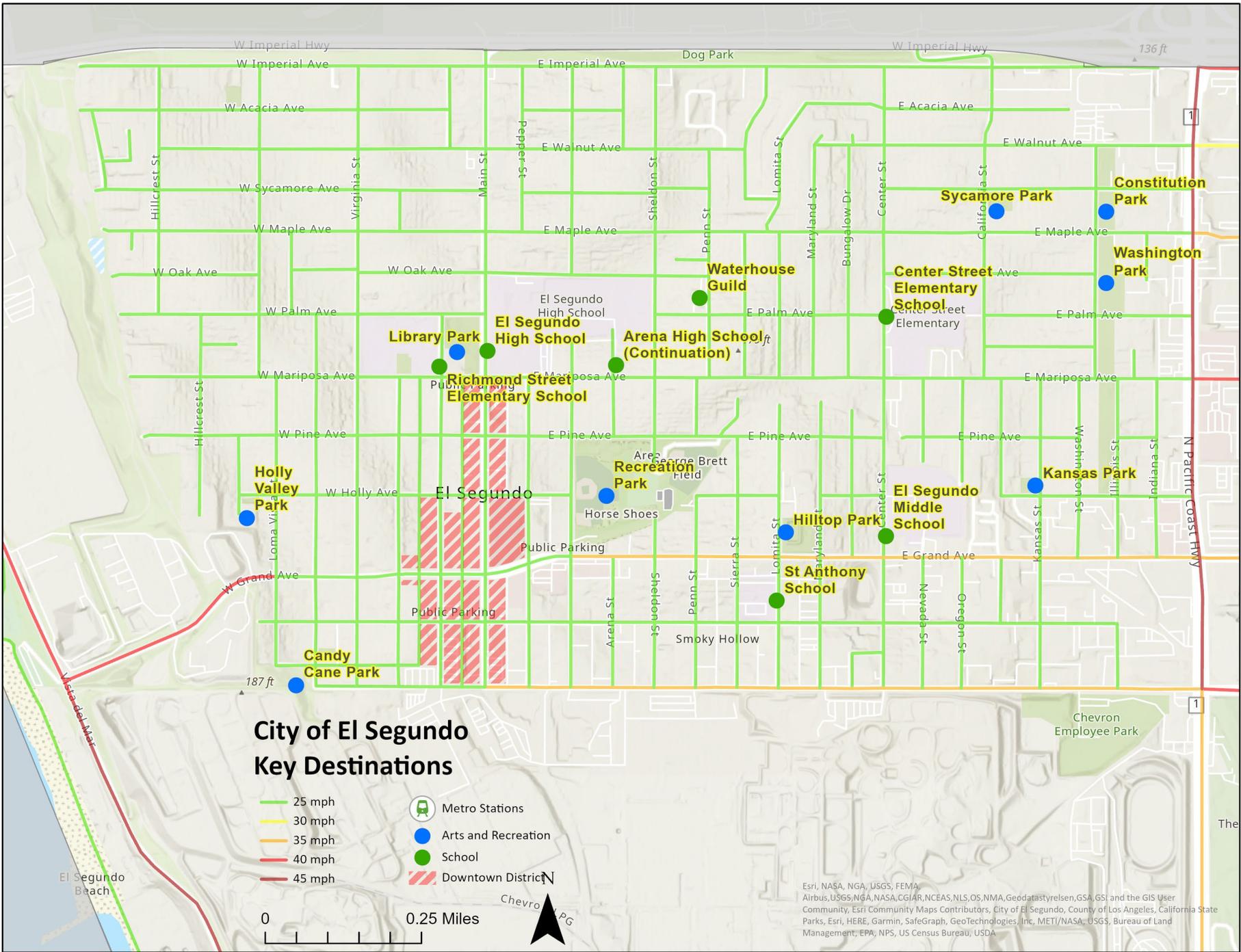


# City of El Segundo Key Destinations

- 25 mph
- 30 mph
- 35 mph
- 40 mph
- 45 mph
- Arts and Recreation
- School
- Major Employer
- ▨ Downtown District
-  Metro Stations

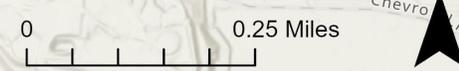


Esri, NASA, NGA, USGS, FEMA, Airbus, USGS, NGA, NASA, CGIAR, NCEAS, ILS, OS, NMA, Geodataset and the GIS User Community, City of El Segundo, County of Los Angeles, California State Parks, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau



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# Proposed El Segundo LTN Pilot

- West side: “Local Travel Network Zone”
  - Entirely “LTN” friendly streets at 35mph or less
- East side: Routes and wayfinding signage at safe crossings (Grand & Maple)
- Quicker deployment
  - Advanced start of mode shift efforts (coordination with city, hotels, businesses, and others to begin incentivizing use of micromobility)
    - Preferred parking, shared fleets
  - Community engagement through farmer’s market
- Evaluation will determine efficacy of the zone vs. routes
- Funding initially through Measure M local return funds. When Measure M grant funds are received, the city may use those to reimburse the local return funds

# What destinations should be listed on wayfinding?

- Downtown, City Hall, restaurants, parks, library, beach, schools, others?
- Input from City Council is needed!



# Rolling Turtle



Local Travel Network



Branded Wayfinding



# LTN Wayfinding Signage Examples



South Bay  
Local Travel Network

↑ PCH	0.1
← Constitution Pk	0.1
Freedom Park 0.1	→



South Bay  
Local Travel Network

Constitution Park	0.1
Washington Park	0.1
El Segundo HS	0.9



South Bay  
Local Travel Network

← El Segundo HS	1.0
Nash St	0.1 →



South Bay  
Local Travel Network



\*No more than 3 destinations per sign is recommended

# Proposed LTN Pilot “Zone” signage

- SBCCOG is working with staff and technical consultants to create a new sign for LTN “zones”. Further refinement to verbiage is currently underway
- Indicates to micromobility users that the area is slow-speed friendly
- Indicates to drivers that local use vehicles will be present
- If successful, zone signage would be added to the LTN implementation playbook for other cities with large contiguous slow-speed areas (“LTN zones”)



White	Black	Fog	Pacific Blue	Spring Grass
C=0	C=0	C=12	C=100	C=81
M=0	M=0	M=7	M=83	M=20
Y=0	Y=0	Y=3	Y=0	Y=100
K=0	K=100	K=0	K=0	K=0
PANTONE N/A	PANTONE Black C	PANTONE 656 C	PANTONE 2728 C	PANTONE 7740 C
			Icon backing Logo	Logo

# Timeline for Pilot Implementation

**City: Identifies sign locations & wayfinding destinations**  
**SBCCOG: Sign production**

**July 2023**

**City: installs signage & “ribbon cutting”**

**August 2023**

**Outreach & Evaluation**

**September - December 2023**

SBCCOG, City, and Stakeholders will simultaneously work on policies/initiatives to encourage mode shift

# Ongoing Subregional Efforts

- **Education**
- **Marketing**
- **Network Development**

**Ride & Drive Events**  
**Educational Events**  
**(Kids & Adults)**  
**Right-Size Your Ride Tool**  
**E-Bike Rebates**

**Additional South Bay**  
**Cities Join the LTN**

**2023**

**2024**

**2025**

**SBCCOG + CITIES + VENDORS**  
**+ COMMUNITY STAKEHOLDERS**

## Next Steps:

- Champion the LTN in El Segundo
- Assist SBCCOG with community engagement
  - Help promote LTN
  - Engage with residents at Farmer's Market booth
- Use micromobility and share your experiences with SBCCOG
  - Think about how you travel and what trips you could make in a local use vehicle
  - Encourage family and friends to use micromobility (and to drive cautiously when they can't!)
- Provide your feedback

# QUESTIONS?

## Thank You!

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