



LOS ANGELES AERIAL RAPID TRANSIT

CONFIDENTIAL DRAFT



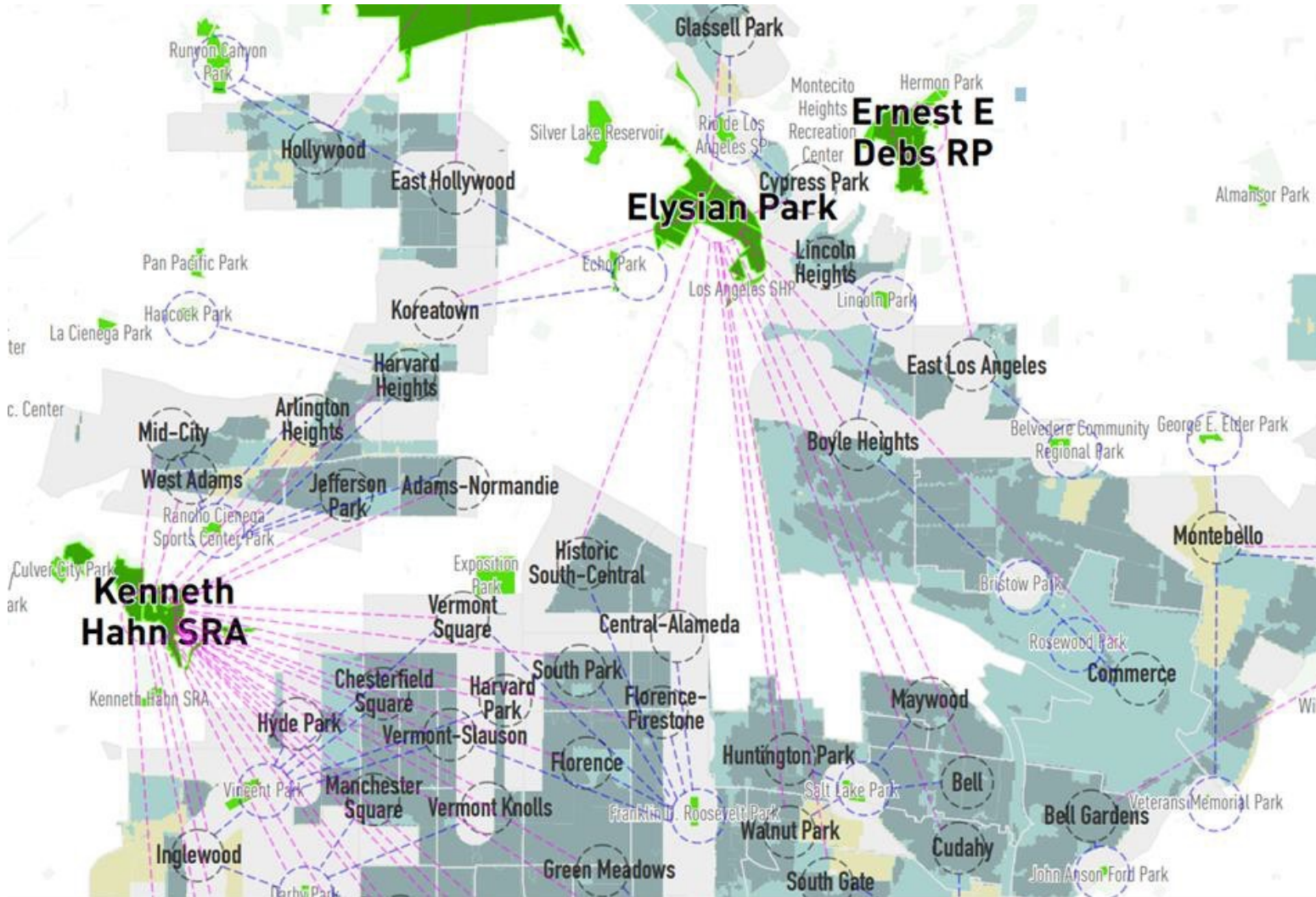
Los Angeles Aerial Rapid Transit Overview & Update September 21, 2022

Los Angeles Aerial Rapid Transit (LA ART) is a proposed gondola system that connects Los Angeles Union Station and Dodger Stadium

- LAART will deliver cleaner air, less traffic, affordable fares, connectivity, and economic benefits for community members
- LAART's proposal offers the capacity to move approximately **5,000 people per hour per direction**, using a quiet, safe, environmentally friendly, and proven zero-emission technology.
- The project will **connect traditionally under served communities** at El Pueblo, Chinatown, Mission Junction, and Solano Canyon to Union Station
- The project will also **expand transit access to parks** by providing a transit connection to Elysian Park and a proposed intermediate station at Los Angeles State Historic Park
- LAART could **take 3,000 cars off the roads** before and after each Dodger game or event at Dodger Stadium, reducing emissions, easing congestion and improving safety on adjacent streets and roadways



LA ART helps provide last-mile access to regional parks, consistent with Metro’s Transit to Parks plan



- Both Los Angeles State Historic Park and Elysian Park are identified as priority regional parks in Metro’s “Transit to Parks” strategic plan
- LAART would provide last-mile access to “under-Parked” communities via Union Station

Parks of Interest

- Regional Parks
- Other Parks of Interest

Community to Park Linkages

- Regional Park of Interest Linkages
- Other Park of Interest Linkages
- Community of Interest

Communities of Interest

- Very High
- High
- Moderate
- Low

LA ART Timeline

- **Spring 2018** LAART initiated its proposal to Metro's Office of Extraordinary Innovation for an aerial rapid transit gondola system to connect Union Station and Dodger Stadium
- **Spring 2019** Metro agreed to act as lead agency for environmental review under CEQA
- **October – November 2020** Metro began the CEQA process by releasing of Notice of Preparation of a Draft Environmental Impact Report with a 46-day comment period
- **December 2020 – May 2021** In response to comments on the NOP and from stakeholders, LAART evaluated and implemented modifications (specifically regarding LA State Historic Park and L-Line (Gold) access
- **Ongoing** Community engagement, with over 14,000 residences within the Project area contacted.
- **Fall 2022** Anticipated timeline for Metro release of the Draft EIR
 - Opportunities for public comment on the Draft EIR
 - Two public hearings
- **Expected Completion** Upon the completion of environmental review, permitting, and financing, construction could be completed, and operations commence prior to the 2028 Los Angeles Olympics



Gondolas are utilized as urban rapid transit all over the world...

- Zero-emission gondolas are being adopted as a feasible mode of urban transit across the world
- Aerial rapid transit (urban gondolas and tramways) is one of the safest transit modes in the world, with multiple redundancies to ensure rider and public safety



London, England



Mexico City, Mexico



Ngong Ping, Hong Kong



Portland, Oregon



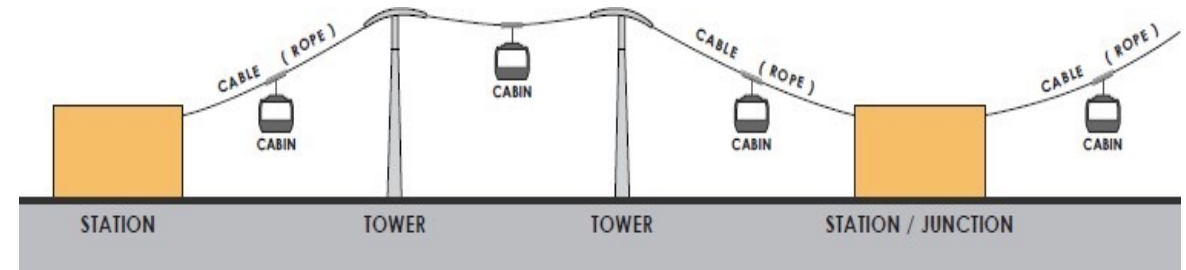
La Paz, Bolivia

LA ART would be the first high-capacity (3S) gondola system connected to the regional transit system in North America (cabin exhibit @ Dodger Stadium)



Gondola system overview

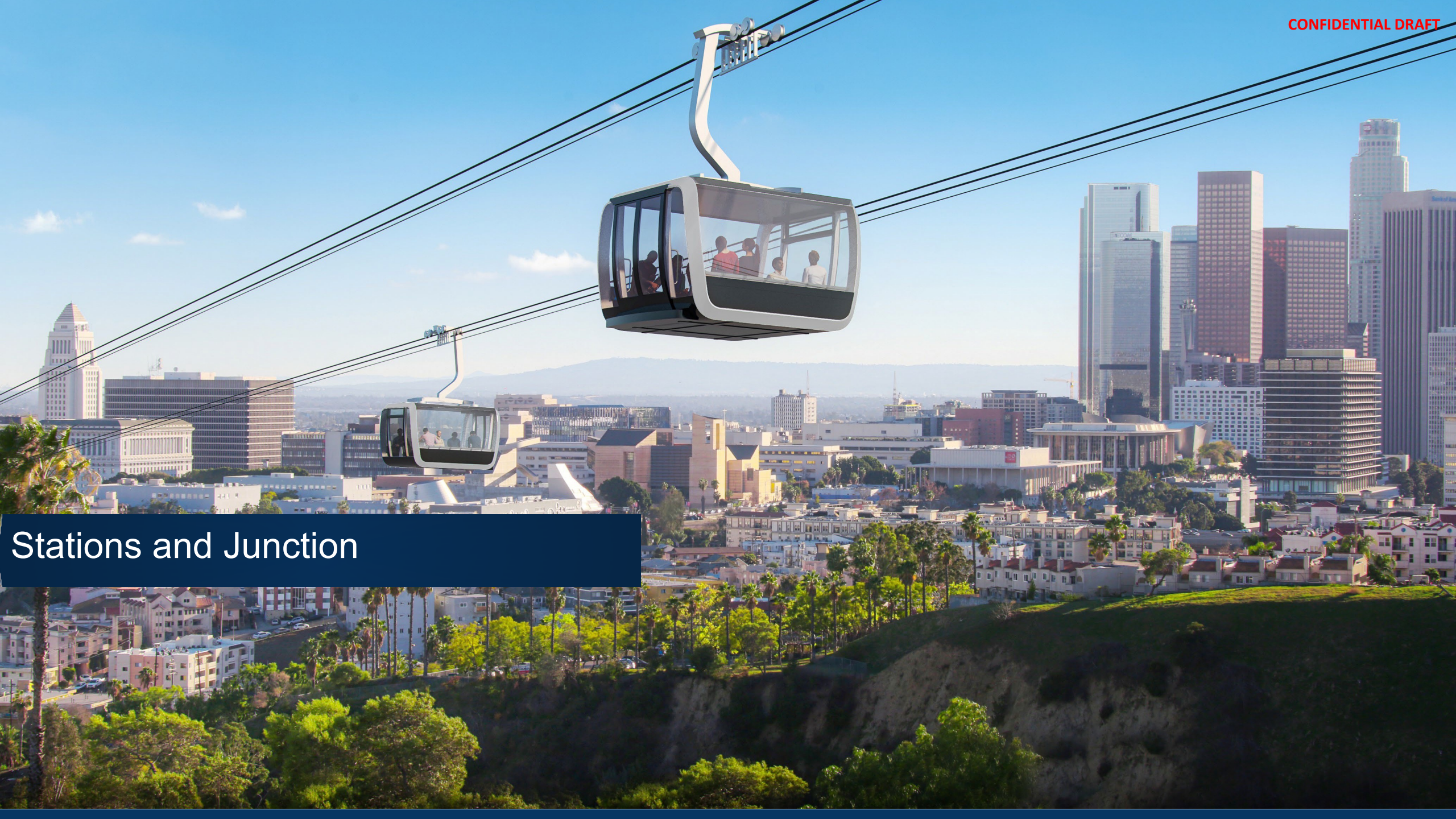
LAART system proposes passenger stations, a non-passenger junction, and towers to support the aerial cables that carry the gondola cabins, which can each carry 30 - 40 passengers



- High passenger capacity: detachable cabins with “3S” system
 - “3S” system includes three cables: two “track ropes” for stability and a third “haul rope” to circulate the cabins
 - Capacity to move approximately 5,000 people per hour per direction with quiet, safe, environmentally friendly system
- Cabins detach from continuously circulating haul rope and slow down upon entering a station for passenger exit and entry, then reattach to haul rope
- Cabins allow for sitting or standing, are fully ADA accessible, and provide room for baby strollers and bicycles

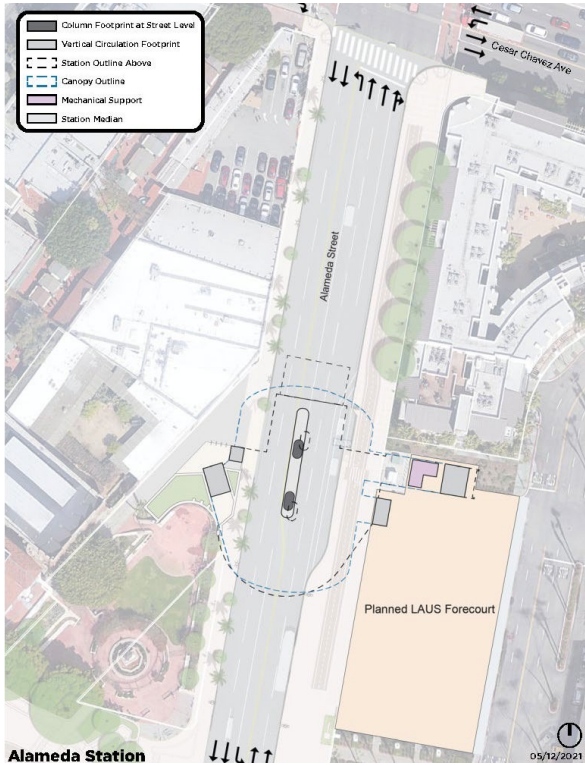


Koblenz, Germany



Stations and Junction

Alameda Station



Potential pedestrian plaza at El Pueblo



View looking north towards Alameda Station along Alameda Street



View of Alameda Station through the planned Forecourt at Union Station



Station is not visible from Los Angeles Street looking towards Union Station

Chinatown / State Park Station



Chinatown / State Park Station

05/12/2021



Potential pedestrian improvements along Alameda Street to connect Metro's L Line (Gold) station and the Park



Proposed plaza and potential location for the Park's farmers market at base of Chinatown / State Park Station



View of Chinatown / State Park Station from the northern end of the Park



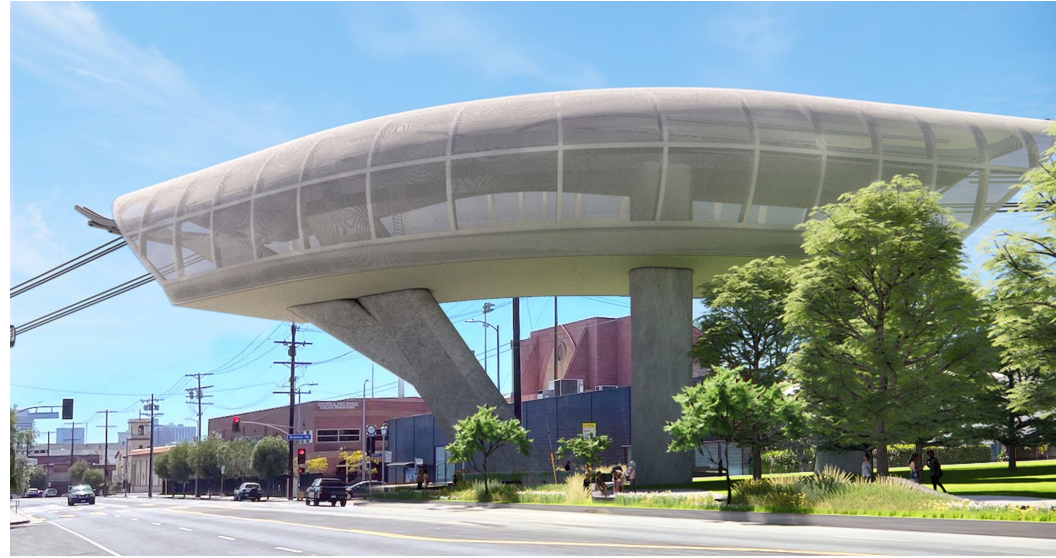
Potential restrooms and concession and seating improvements in the Park

The new proposed Chinatown / State Park Station is a short walk from the L Line (Gold) Chinatown Station



- The LAART Chinatown / State Park Station and Metro's L Line Chinatown Station are approximately **500 feet apart**
- With that distance, **ground level walk would take ~3 minutes** and does not require crossing any streets
 - With additional station walk time for platforms and vertical circulation, a passenger transfer would take about 4-5 minutes
- Attractive ADA-compliant walking path for pedestrian transfers can be created including landscaping and driveway safety measures

Broadway Junction



View of the Broadway Junction from N. Broadway



View of the Broadway Junction from Bishops Road with illustrative depiction showing the possible integration of the Broadway Junction into previously approved mixed use residential development at 1201 N. Broadway

The junction would be non-passenger and is required to turn the cables and remain along the alignment primarily over the public ROW

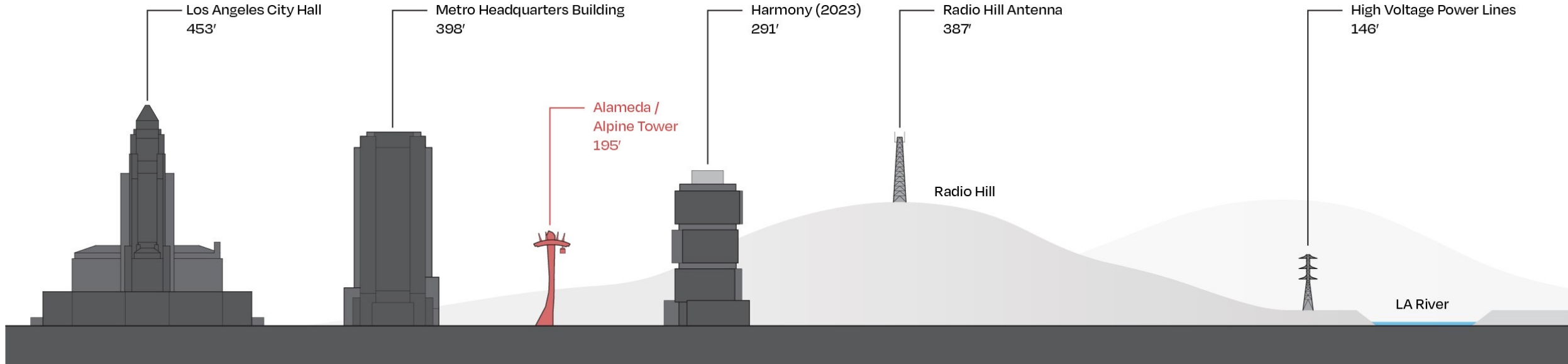
Dodger Stadium Station





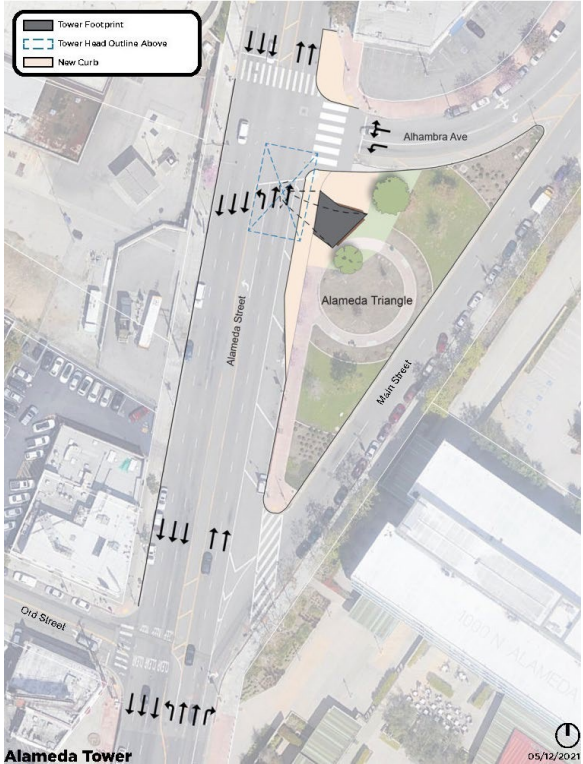
Towers

LAART's towers integrate with the surrounding urban environment



- LAART includes 3 towers to support the ropeway that is primary alignment above the public ROW
 - 2 located along Alameda
 - 1 located on the Dodger Stadium property
- The towers are designed so that their bases would not impede adjacent vehicular and pedestrian circulation
- The neutral light-tone gray is intended to integrate with the surrounding urban environment

Alameda Tower



Alameda Tower
Position of Alameda Tower in City right of Way on Alameda Triangle

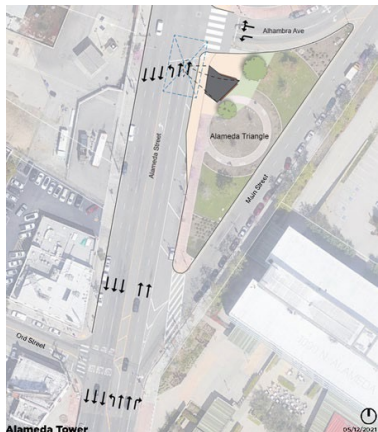


Potential pedestrian improvements and landscaping at Alameda Tower

Existing conditions of City ROW looking north toward Alameda

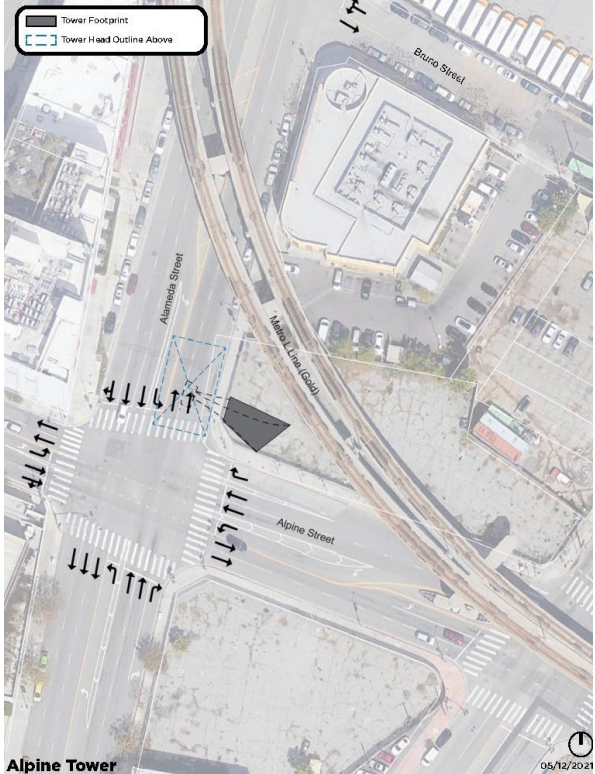


Potential future improvements of City ROW looking north toward Alameda



- The Alameda Triangle is underutilized and unmaintained City right-of-way
- Implementation of the Alameda Tower could include enhanced landscape and hardscape to create a pedestrian greenspace, and the existing pavers located at the Alameda Triangle would be reused and integrated into the updates to the Alameda Triangle

Alpine Tower



Alpine Tower
Position of the Alpine Tower in City property adjacent to Metro's elevated L Line (Gold) tracks



Potential pedestrian improvements at Alpine Tower

Existing conditions



Potential future improvements



- The Alpine Tower would be located on an underutilized City-owned parcel at the northeast corner of Alameda Street and Alpine Street, adjacent to the elevated Metro LLine (Gold)
- The Alpine Tower provides opportunities for hardscape and landscape enhancements, shade structures, and seating

LA ART offers significant environmental and safety benefits

High-Capacity, Zero-Emission, Quiet Operation

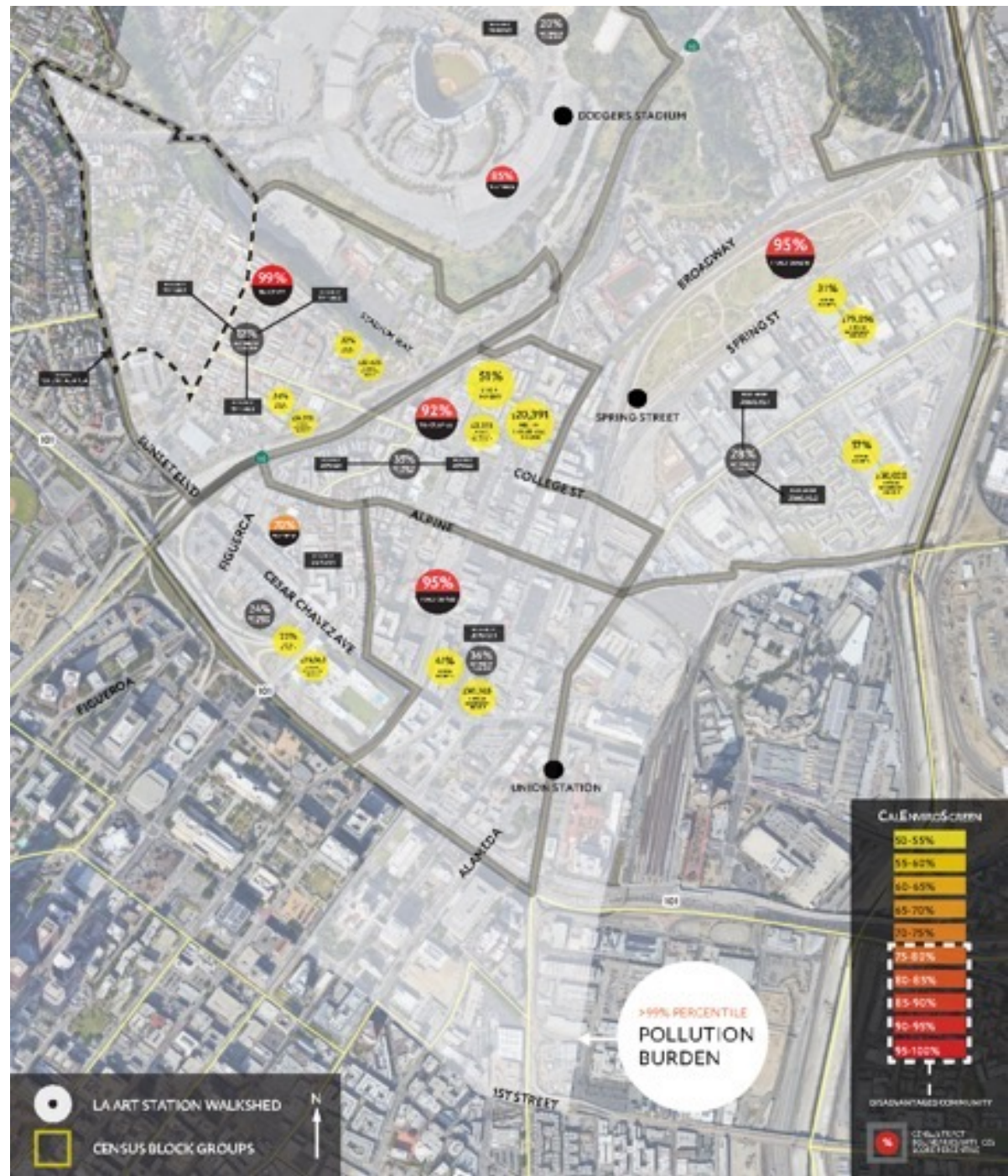
- LAART offers the capacity to move approximately 10,000 to 12,000 people before and after each Dodger game – and park visitors, commuting residents, and other transit patrons daily – using environmentally friendly, zero-emission technology
- Aerial rapid transit technology is quiet, with noise from operations expected to be below background noise levels in an urban environment

Reduce Congestion and GHG Emissions, Improve Safety and Air Quality

- LAART's capacity could take 3,000 cars off the roads before and after each Dodger game or event at Dodger Stadium to ease congestion and improve safety on neighborhood streets and the SR-110 freeway
- Reductions in VMT and congestion lead to reduced GHG emissions and improved air quality
- The emission reductions benefit communities with economic challenges and burdened by pollution (see map)



Impacted Communities



LA ART offers many community benefits

Provide Community Access

- LAART will operate **DAILY** to connect traditionally underserved communities at El Pueblo, Chinatown, Mission Junction, and Solano Canyon to Union Station...at fares equal to Metro.

Increase Park Access

- The project will expand transit access to parks by providing a transit connection to Elysian Park via a Mobility Hub at the Dodger station and access through the Dodger Stadium Property.

Link Chinatown and the Los Angeles State Historic Park

- LAART will create a pedestrian link between the L-Line (Gold) Chinatown Station and the Los Angeles State Historic Park, including landscape and hardscape improvements, shade structures, and potential seating

Connect the Los Angeles State Historic Park and N. Broadway

- LAART will support the currently unfunded ADA accessible pedestrian/bicycle bridge between LASHP and North Broadway
- This bridge would create more connections between the State Historic Park and areas of Chinatown, Cathedral High School, and Solano Canyon, which currently have limited access to the Park

Creates Partnership Opportunities for El Pueblo and Chinatown

- Proximity of LAART to El Pueblo and Chinatown encourages visitors to stop in, shop and have a bite. Collaboration with merchants has been underway for the past 18 months to explore partnership opportunities with El Pueblo and Chinatown to promote visitation, event production, and extensive name recognition



Zero Emissions Transit and Free Fares for Dodger Games

Zero Emissions Transit

- LA ART has committed to non-profit development and operation as public transit and will be donated to a new non-profit organization called *Zero Emissions Transit*.
- Climate Resolve, a leading climate resiliency non-profit organization that supports equitable and sustainable transit has formed *Zero Emissions Transit* as a Supporting Organization and has a framework agreement with Aerial Rapid Transit Technologies (the developer of the proposed aerial gondola) to work together to support zero emission transit and climate resiliency projects.

Free Fares for Dodger Games

- In addition to the announced commitment to non-profit development and operation, LA ART also announced that Dodger fans with a game ticket will ride the gondola for free, just as fans currently ride the existing Dodger Stadium Express bus service from Union Station and the South Bay for free with a game ticket. Providing Dodger fans with free transit to games will encourage ridership and maximize the air quality benefits of LA ART, enhancing the fan experience and reducing traffic in the communities adjacent to the stadium.
- Commensurate with the announcements on nonprofit development and free rides for ticketed Dodger fans, LA ART also opened an exhibit at Dodger Stadium where fans and visitors can visit, view, and sit in a full-sized gondola cabin, experiencing what it will be like to ride the cabin in the future.



Thank you!