



**CALIFORNIA**  
High-Speed Rail Authority

# Train Interior Design Project Update

Bruce Armistead, Chief of Rail and Operations Delivery

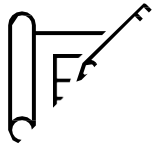
Melissa Figueroa, Chief of Strategic Communications

June 29<sup>th</sup> 2023

# Designing the trainset interior for the Authority in 2023

California's future high-speed rail fleet will set a new benchmark for passenger experience and sustainable mobility

## Trainset procurement preparation



Develop a design vision and guidelines to accompany the functional and technical requirements for the procurement of the initial Central Valley trainsets

## Stakeholder and public engagement



Involve potential future riders and project supporters in the design through a collaborative, iterative process

## A custom, best-in-class interior design



Create a state-of-the-art, passenger centric, and resilient design concept for California High-Speed Rail

Showcase a train interior mockup to preview future Authority service across the state

*Outlook for 2024*

# Elevating rail design

Three key principles of the Authority's design vision will shape standards for California's first high-speed train service

## State of the art



Incorporating global **best practices** in transportation, **technological developments**, **innovative materials**, and production processes into a **next-level design** that meets ADA and Buy-America requirements

## Passenger centric



Putting **passengers first** by addressing their **wants and needs** to feel **comfortable**, **enjoy** the ride, and create their **own journey** through elements of the design

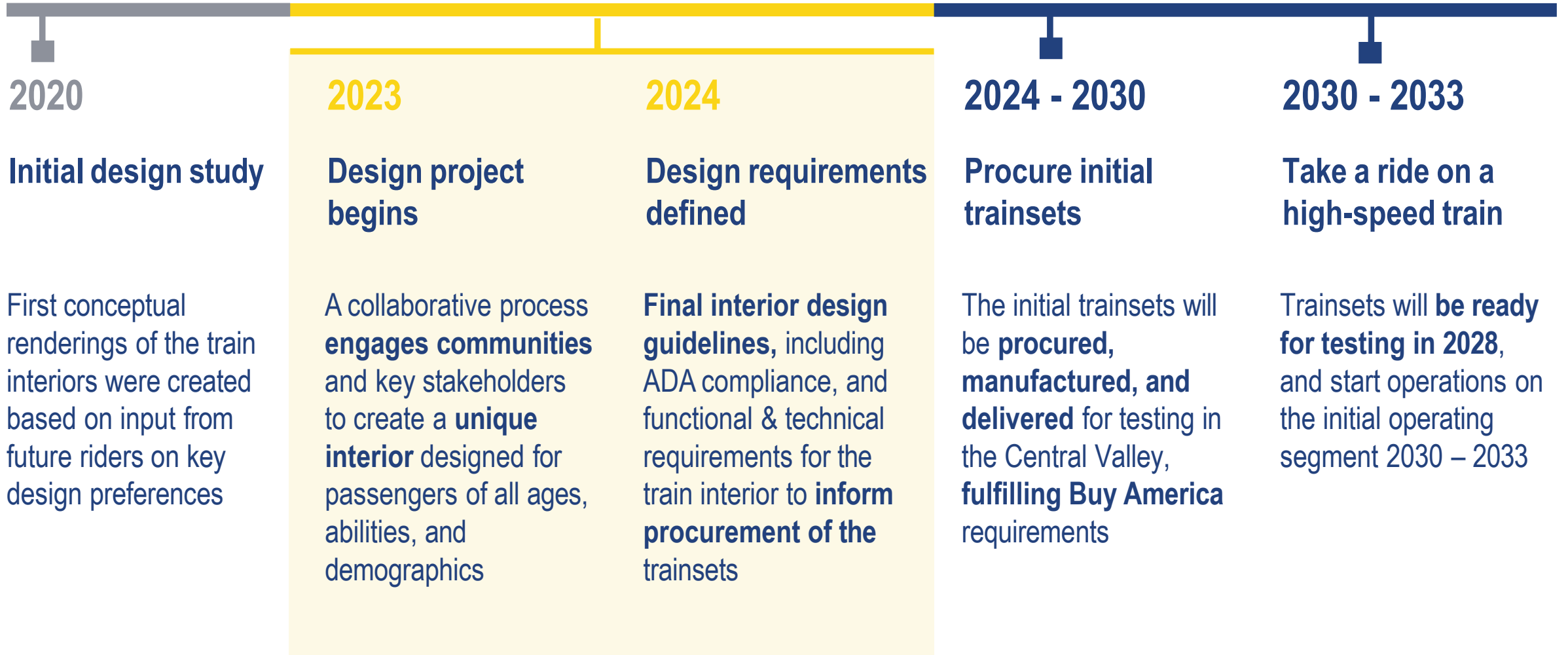
## Resilient



Planning for **longevity** through **modular** concepts, **flexible** spaces, **durable** materials, and easily **maintainable** and **recyclable** components

# Design-to-service roadmap

An interactive approach is key to designing a train interior for passengers of all ages, abilities, and demographics



# Design process essentials

Gathering of inputs from key stakeholders and future riders is ongoing

## Community outreach

### Stakeholder interviews

- Perspectives on expectations and requirements have been collected from key stakeholder groups (e.g., Central Valley communities, disability rights advocates, ridership associations)



Central Valley stakeholder interviews, April 2023



### Events and activities

- Public events (e.g., conferences) and targeted outreach (e.g., to university students through the “I Will Ride” program) allow Californians throughout the state to engage with the project and provide their thoughts



Passenger association representative interviews, May 2023



SCAG Regional Conference and General Assembly, May 2023

# Design process outcome

The design process will result in guidelines for the trainset OEMs, and a mockup for the public to see & touch

**Early 2024**

**Final design handbook**

Outlines and illustrates the Authority's vision for a best-in-class trainset interior with design guidelines that are aligned with necessary regulatory and technical requirements.

**2024**

**High-fidelity mockup**

Representative of the product's final design vision. It can be utilized for exhibitions and roadshows as a centerpiece of communications and public relations.



*High-fidelity mockup example 1: New ICE design mockup, 2022*



*High-fidelity mockup example 2: Liverpool City Region Train, 2021*

# Designing for the future

The High-Speed Rail trainset design will promote the Authority's mission of connecting and transforming California

## Mobility



The best transportation option for various trip lengths and travel purposes

## Sustainability



Eco-friendly interiors based on green transportation principles

## Equity



An enjoyable experience for all passengers with a variety of functional areas and amenities



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**Questions?**