

## California High-Speed Rail Vision Plan

California, USA 2016

In 2016, the Foster + Partners team worked with the California High-Speed Rail Authority to develop a Systemwide Vision Plan for Stations. We set out with the premise that the Vision must be uniquely Californian, immediately identifiable, and align with the values and aspirations of the Authority's mission. Part of this vision involved the development of a universal kit of parts that could form the foundation of the future systemwide identity and provide a consistent user experience across the entire network. While the

systemwide elements provide continuity and efficiency through modular design, they also allow for sufficient flexibility, to give the future station designers freedom to create a unique station experience appropriate to its context. Our work spans from big picture visioning of the message and identity of the system as a whole, to technical feasibility studies of the energy goals for the stations. Through its ongoing collaboration and engagement with the local station communities, the Authority's systemwide vision will balance the elements of continuity with unique elements of identity to create an engaging and dynamic experience across the entire network.

### Approach to Stakeholder Organizations

From the outset, our team has worked directly with High-Speed Rail Authority Planning team in the development of the Vision Plan. As the work has evolved, we have made multiple presentations to the CAHSR Transit Land Use Committee, the Regional leads of the CAHSR team, Marketing and Communications, as well as to the key stakeholders from the station cities. By closely embedding ourselves into the Authority's team, we were able to develop a product that aligns closely with their goals and aspirations, and remained true to the vision that we created together.

### Approach to Project Management

Foster + Partners has worked with a diverse team of consultants on the Vision Plan, which covers a similar range of skills and expertise as the Diridon Integrated Station Concept Plan. The key consultants worked collaboratively to develop presentation materials and assess one another's work so that the universal components we developed together could be evaluated and refined through an agreed set of metrics. By managing both internal and external meetings and agreeing on key dates and deliverables from the outset, the project has remained on budget and on schedule as we approach completion.

### Sustainable Design Approach

The California High Speed Rail Authority's mission is to create stations that are sustainable, world-class public places. Depending on the setting, stations may be a mix of public, cultural, educational, recreational, retail, dining, entertainment and other building types, attracting a broad range of visitors and managed within a business framework that provides for the long-term financial sustainability of a station. The team developed a sustainability framework for the CHSRA's Vision Plan for stations, building upon the Authority's commitment to social, environmental and economic sustainability. To support the Authority's objective of 100% renewable energy and Net Zero potable water, Integral Group developed a dynamic calculator tool to be used by station designers to achieve Zero Net Energy stations system-wide and highly efficient (near net-zero) site water management

and reuse. Integral Group is modeling design approaches to reduce embodied carbon and maximize thermal comfort and energy efficiency throughout the stations and their component parts.