

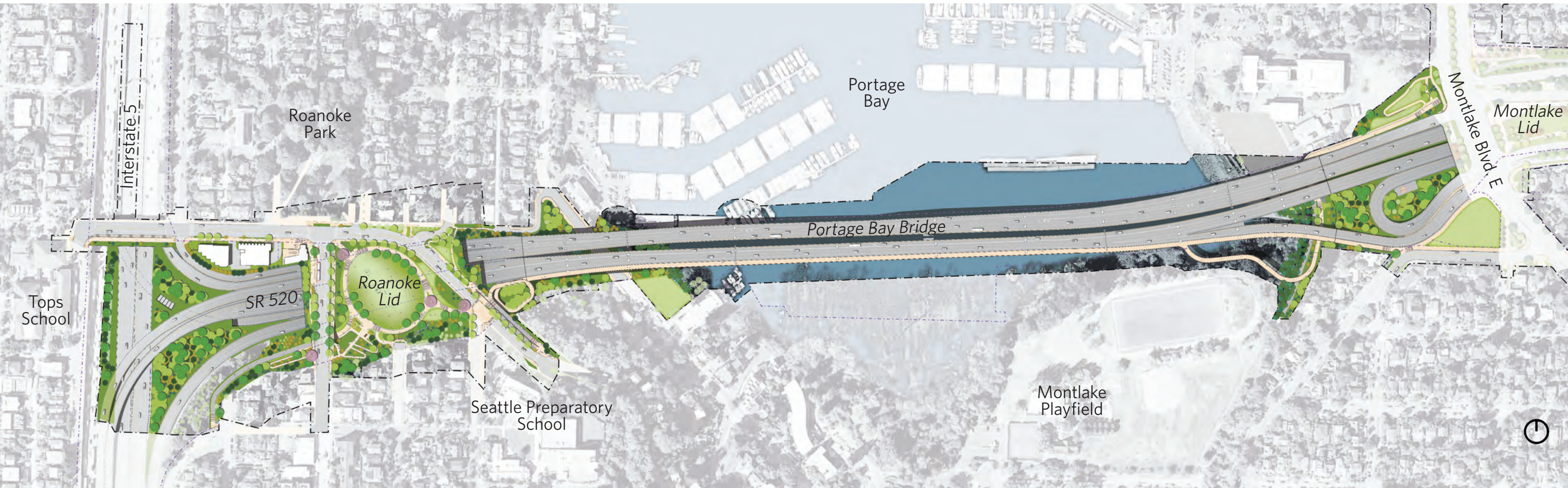
State Route 520

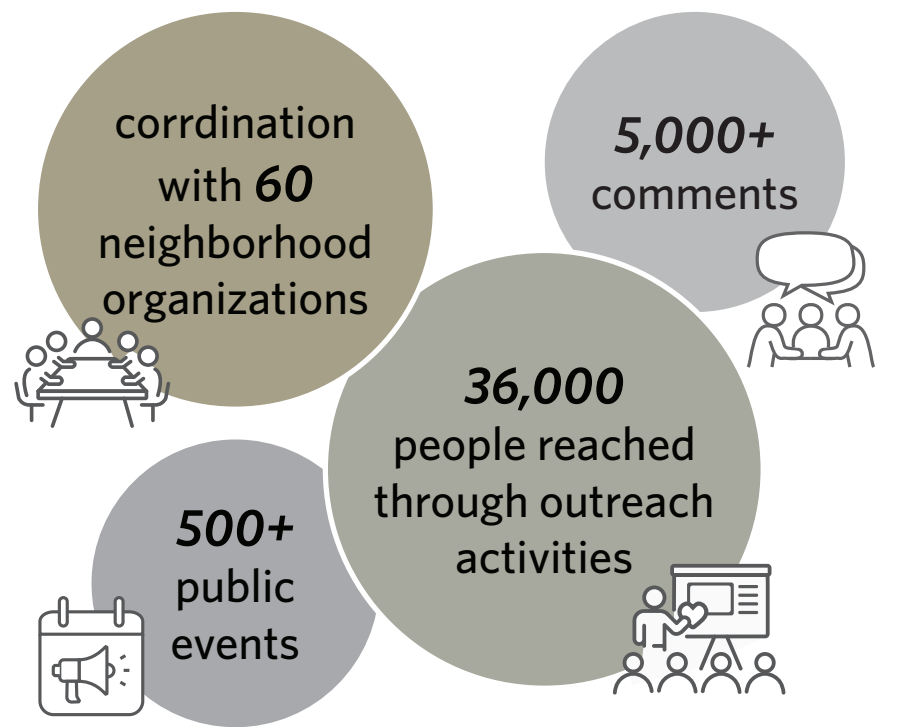
Portage Bay Bridge and Roanoke Lid

Conceptual Design

Seattle, Washington

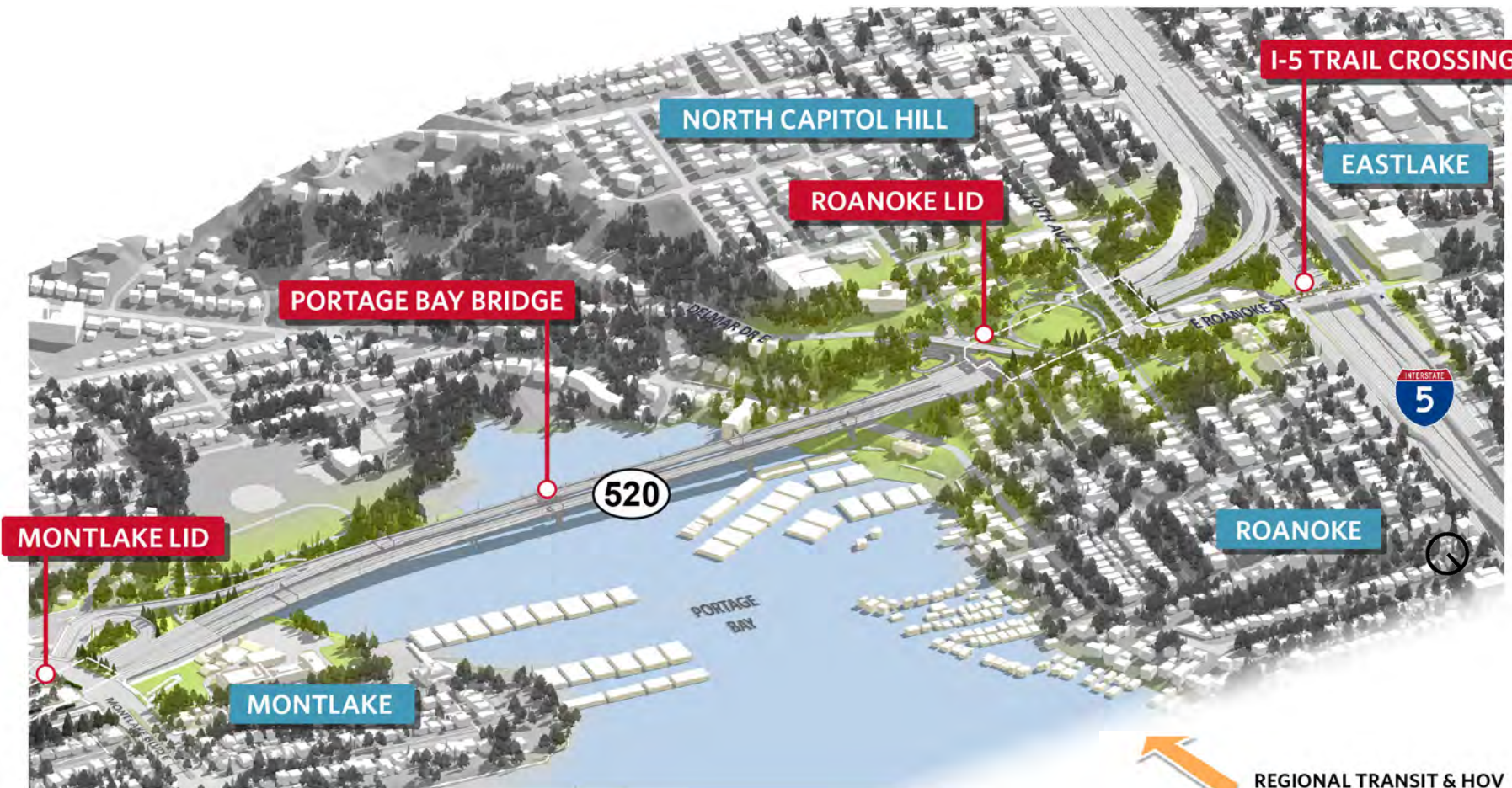
Analysis and Planning Category





From the alternatives development within the FEIS to subsequent presentations, open houses, collaboratives and listening sessions to various boards, commissions, agencies and front-line neighbor meetings, the community process has resulted in a design with broad community support and environmental benefits.





Core to the plan are new transit/HOV lanes along the SR 520 corridor for greater trip reliability to major employment centers. Buses and carpools also will have direct-access ramps to and from a regional transit hub atop the Montlake lid.



Big public fanfare is sure to continue with the plan's layered mobility approach. Shared-use paths serve as the main backbone, anticipated to serve more than 2,400 users daily, transitioning to the "delta" of city and neighborhood path connections.



“The planning process builds on past SR 520 Program experience and was carefully developed and vetted with a mind towards how it will anchor forthcoming final design and construction. It has become a model for engaging landscape architects to shape infrastructure investments with regional impact, not just meeting requirements for resilient public infrastructure, but also creating a blueprint for a beautiful, healthy, and vibrant place for all. The public will get what they were promised, and this plan demonstrates that big infrastructure projects have the capacity to enhance communities.”

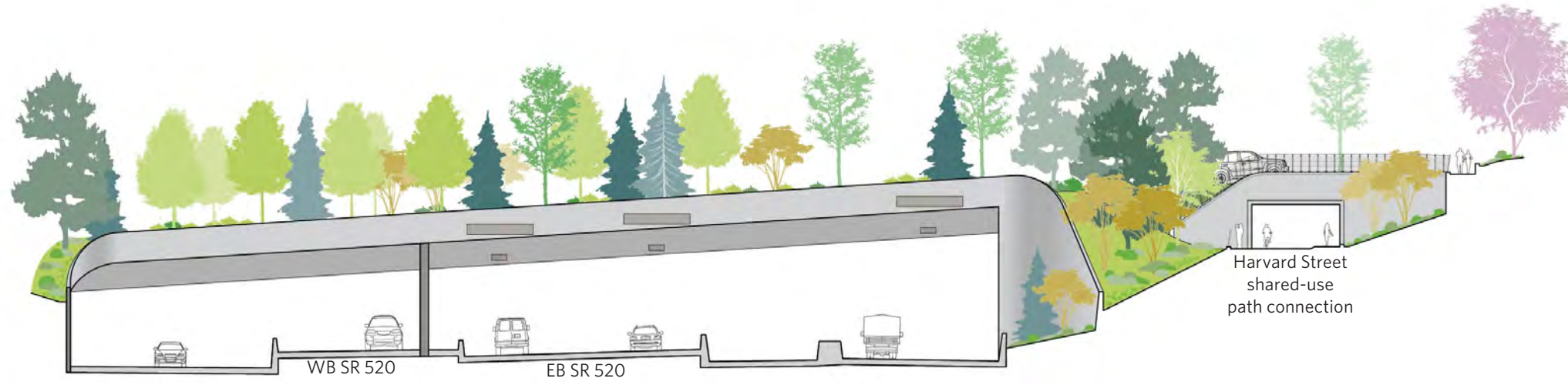
Seattle Design Commission Staff



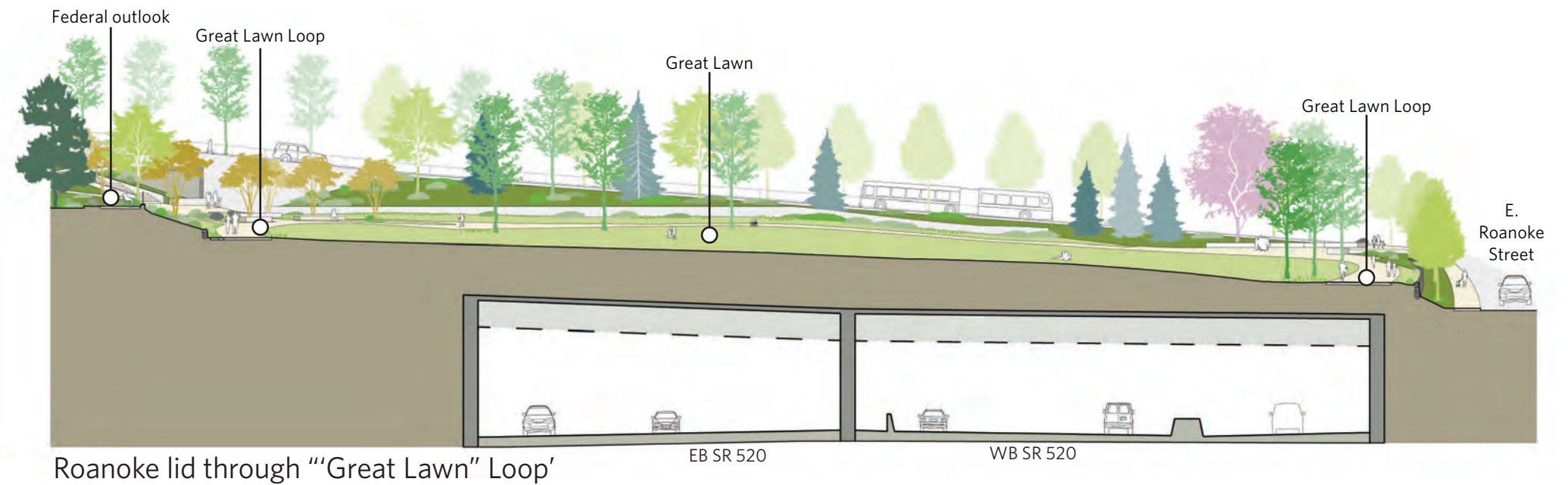
- PROSPECT & REFUGE**
- GRAND VISTAS
 - NEAR LANDSCAPES



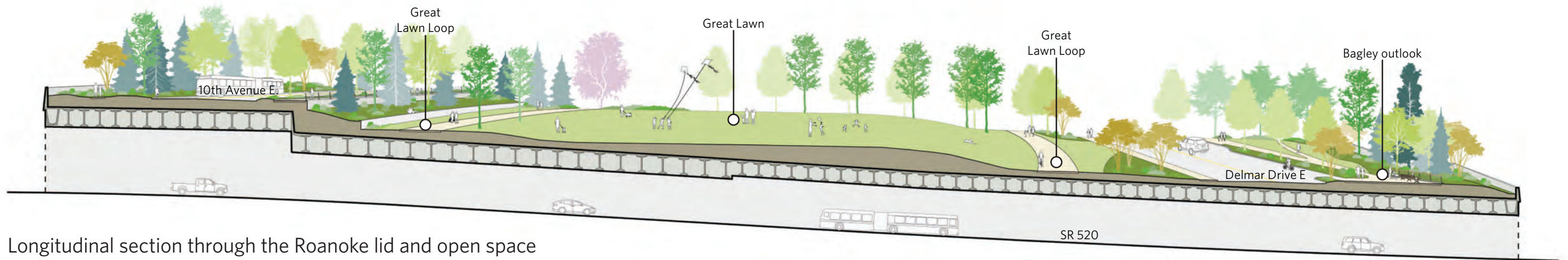
Movement and pause points center around the Roanoke lid's 'Great Lawn Loop' and "Great Lawn". Landscapes reinforce long vistas from lid areas, planted hillsides form dense canopies, and plantings ebb and flow along the historic Olmsted Boulevard (Delmar Drive).



West Roanoke lid portal



Roanoke lid through "Great Lawn" Loop'



Longitudinal section through the Roanoke lid and open space



Expansive views across the Roanoke lid, Portage Bay, University of Washington and Cascade Range beyond are captured from the Cascade Outlook. In the middle ground, the Cascade Plaza provides for neighborhood gatherings and a physical tie to 10th Avenue retail.



The Roanoke lid gateway extends an axial connection from Roanoke Park, providing contrast between the visibly accessible expanse of the lid and intimate neighborhood park. The gateway is a principle “Great Lawn Loop” spoke with amenities situated for brief pause.

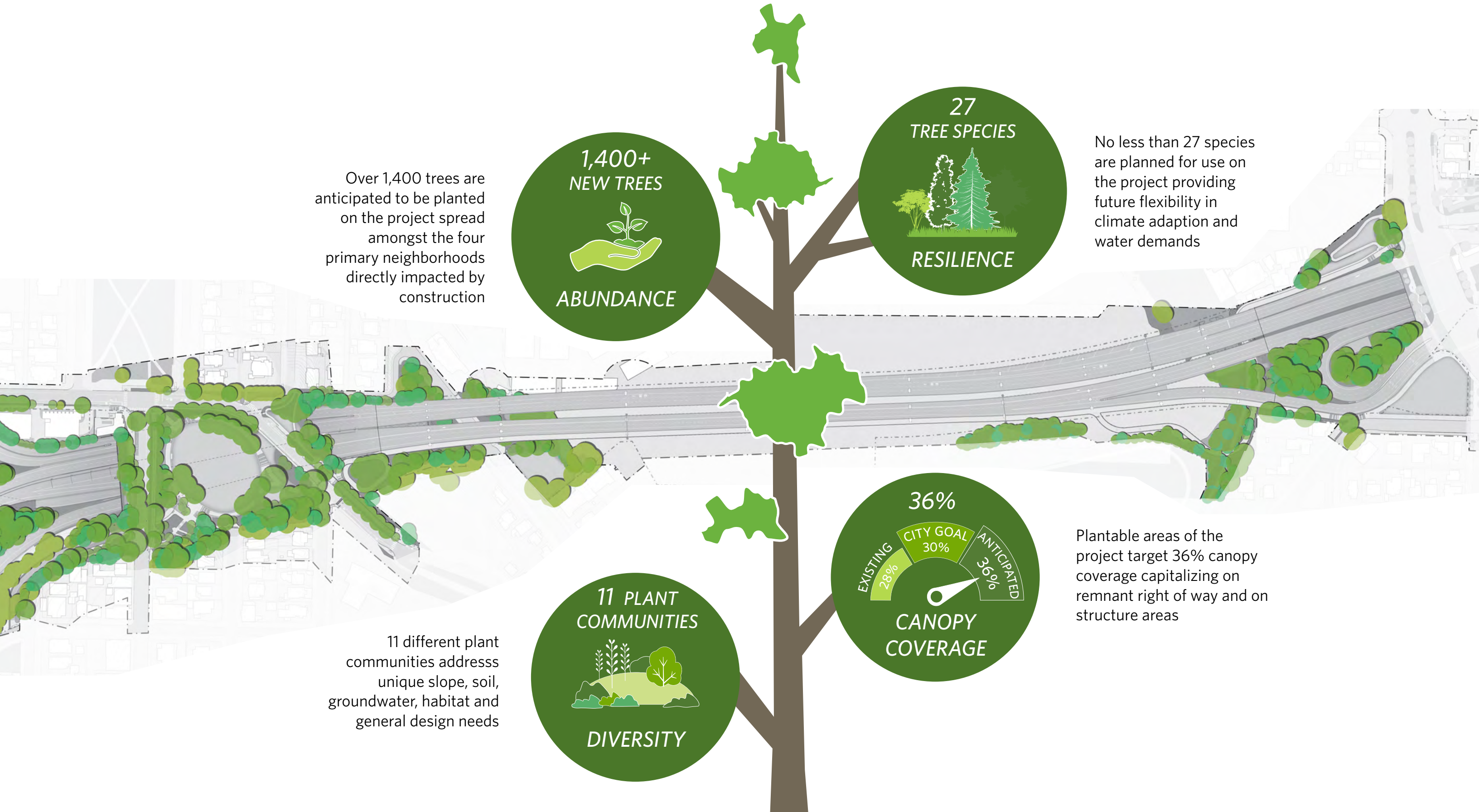




Under-bridge areas provide vital pedestrian/bike connections along the corridor but also present challenges of safety for users and viability of landscape. Solutions included use of surface features and inert landscape materials to add vibrancy, reflectivity and visual interest.



Outlooks and overlooks form an element of continuity for the corridor. The Portage Bay Outlook on the Montlake lid looks west over the bay, with new bridge in the foreground and lid beyond connecting the Capitol Hill and Roanoke neighborhoods.



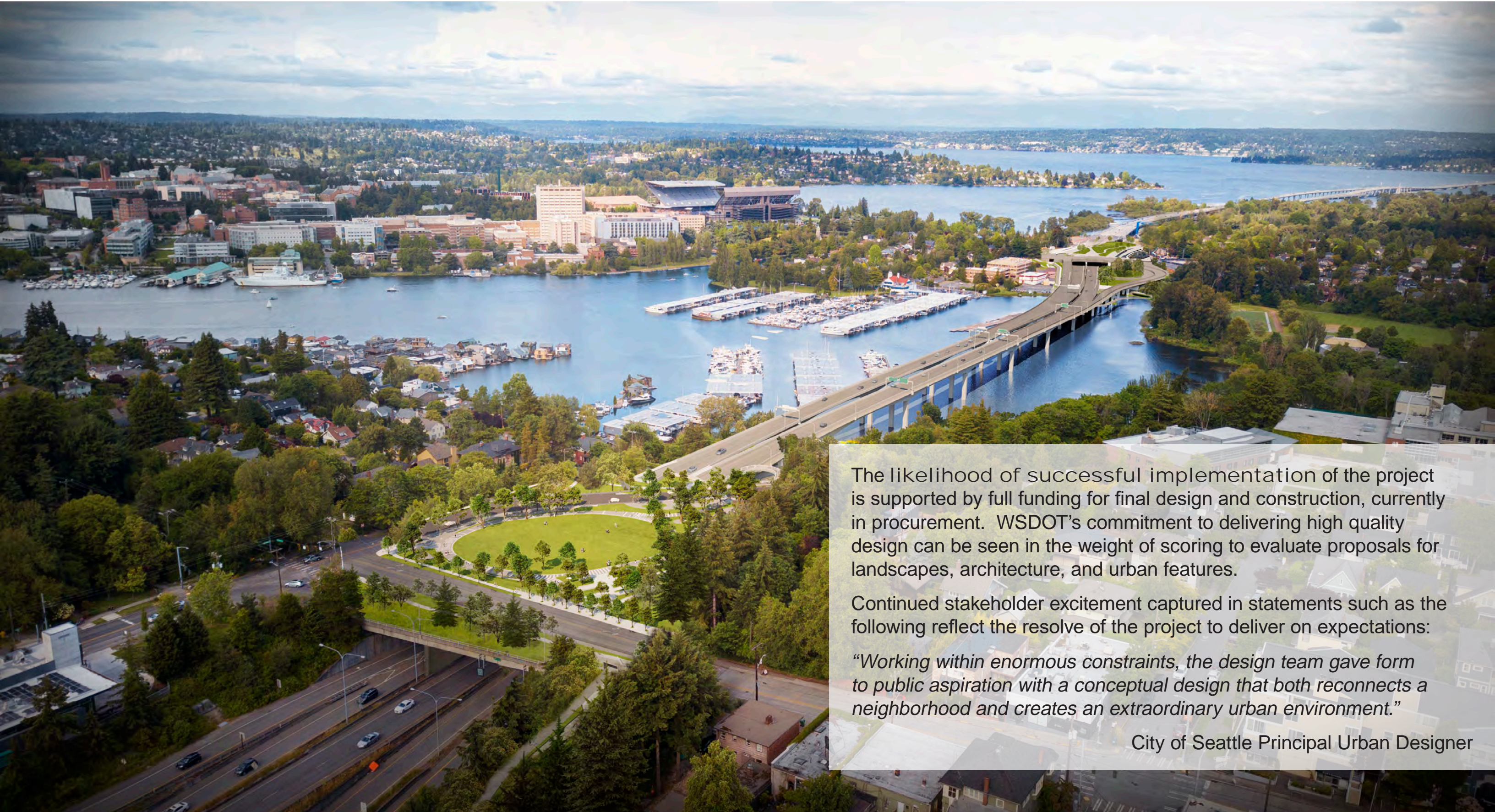
Over 1,400 trees are anticipated to be planted on the project spread amongst the four primary neighborhoods directly impacted by construction

No less than 27 species are planned for use on the project providing future flexibility in climate adaption and water demands

11 different plant communities address unique slope, soil, groundwater, habitat and general design needs

Plantable areas of the project target 36% canopy coverage capitalizing on remnant right of way and on structure areas

To contribute to the urban canopy, a diverse planting palette is proposed to reinforce resiliency, promote a design aesthetic, and mitigate tree loss from construction. Investments in specimen trees at key gateways provide a win for the community.



The likelihood of successful implementation of the project is supported by full funding for final design and construction, currently in procurement. WSDOT's commitment to delivering high quality design can be seen in the weight of scoring to evaluate proposals for landscapes, architecture, and urban features.

Continued stakeholder excitement captured in statements such as the following reflect the resolve of the project to deliver on expectations:

“Working within enormous constraints, the design team gave form to public aspiration with a conceptual design that both reconnects a neighborhood and creates an extraordinary urban environment.”

City of Seattle Principal Urban Designer