

# West Approach Bridge - Bridge Design Development

## Vision

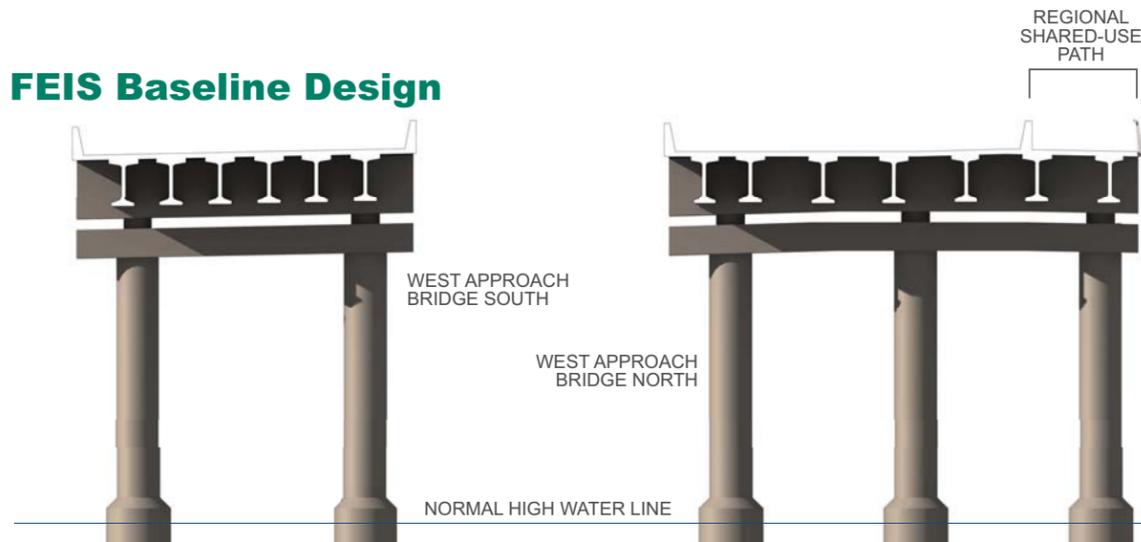
Our vision for the SR 520 corridor is to become the premier gateway for the City of Seattle by **reconnecting to the early Seattle vision of Nature meets City**.

We intend to implement the SR 520 Program in a manner that yields **affordable solutions** and fosters **groundbreaking sustainability practices** that support regional and local connectivity, ecology and the use of low-carbon materials. Further, the design of the corridor will **balance aesthetics, functionality, proportion and sense of speed** along the SR 520 facility to provide a **memorable experience** for all users.

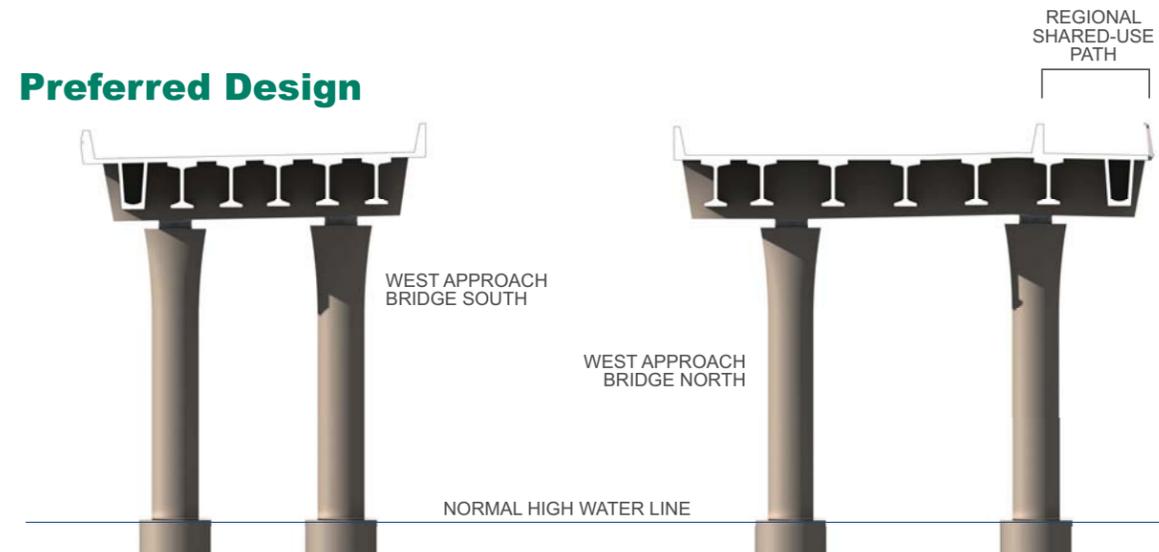
## Design Refinements

From September - November 2012, the West Approach Bridge design team worked closely with the **Seattle Design Commission** to refine the baseline design established during the Final Environmental Impact Statement (FEIS) process, resulting in a preferred design that better reflects the goals and principles outlined in the project **Vision**.

### FEIS Baseline Design



### Preferred Design



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ENGINEERING, OPERATIONS, AND ENVIRONMENTAL  
ANALYSIS REQUIRED.

# West Approach Bridge - Preferred Bridge Design

## Preferred Design

### Typical Pier



View of preferred design at a typical pier, facing northwest



View of preferred design at a typical pier, facing southwest

## Preferred Design

### Expansion Joint



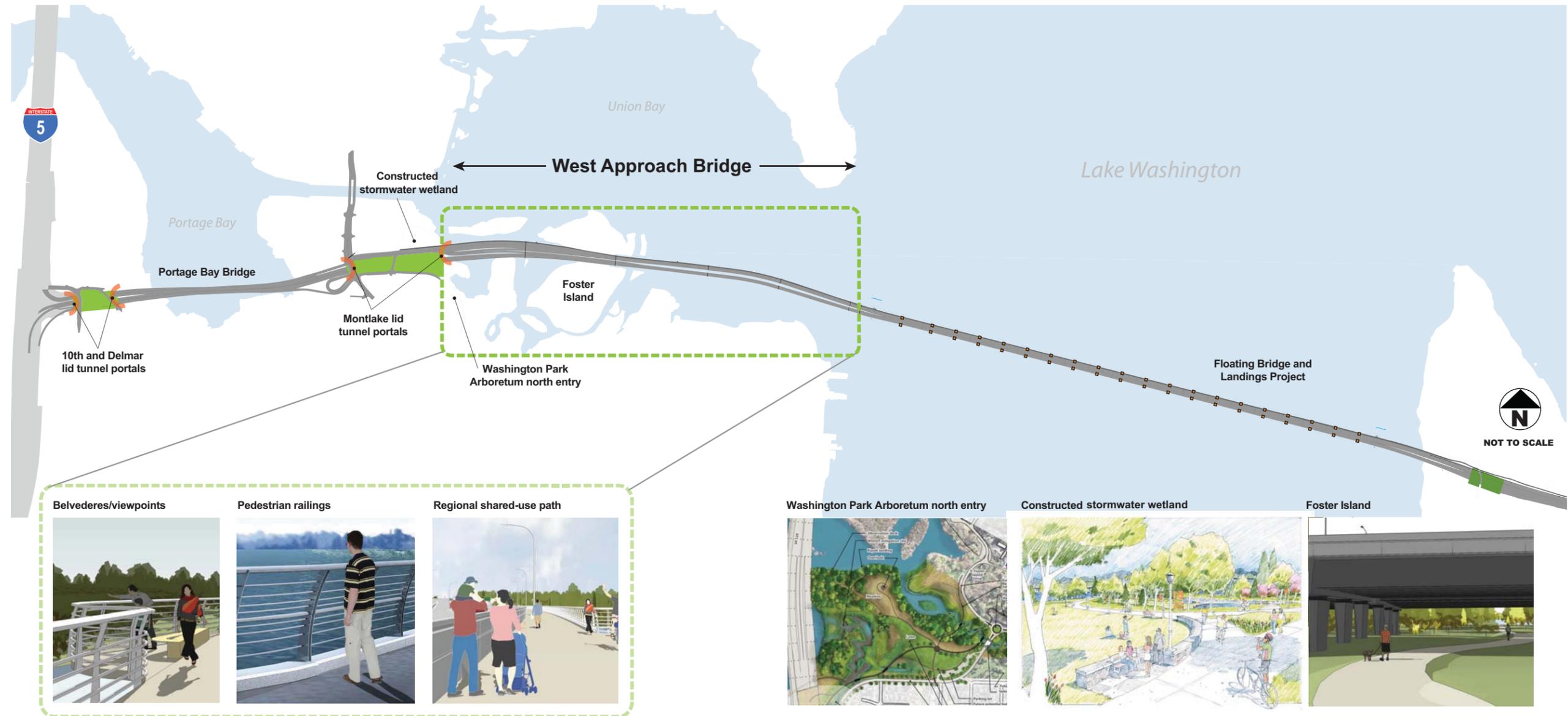
View of preferred design at an expansion joint, facing northwest



View of preferred design at an expansion joint, facing southwest

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# West Approach Bridge - Setting and Context



## Elements of Continuity

The West Approach Bridge is seen as an “Element of Continuity,” a connective element between the floating bridge and Montlake gateway and a passage through the natural green gateway of Foster Island and the Washington Park Arboretum.

Elements of Continuity are part of a design approach that ensures that elements located or repeated throughout the SR 520 project corridor, such as retaining walls, roadside plantings or the regional shared-use path, are consistent in their aesthetic treatment in order to provide positive user guidance and experience.

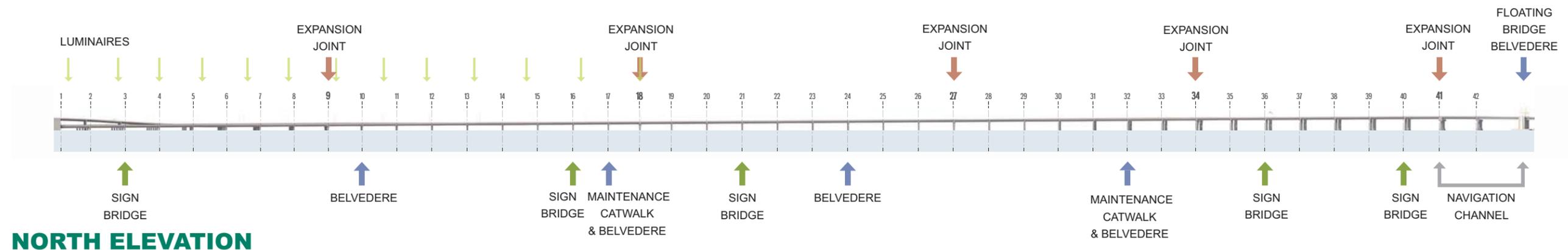
## Elements of Distinction

Elements of Distinction ensure that the look and feel of singular project elements, such as the Portage Bay Bridge or Montlake and 10th and Delmar lid portal entries, receive unique aesthetic treatments that are sensitive to the surrounding context. Elements of distinction along the west side corridor include:

- Constructed wetland facility at East Montlake Park
- West Approach Bridge pedestrian undercrossings
- Foster Island
- Washington Park Arboretum north entry

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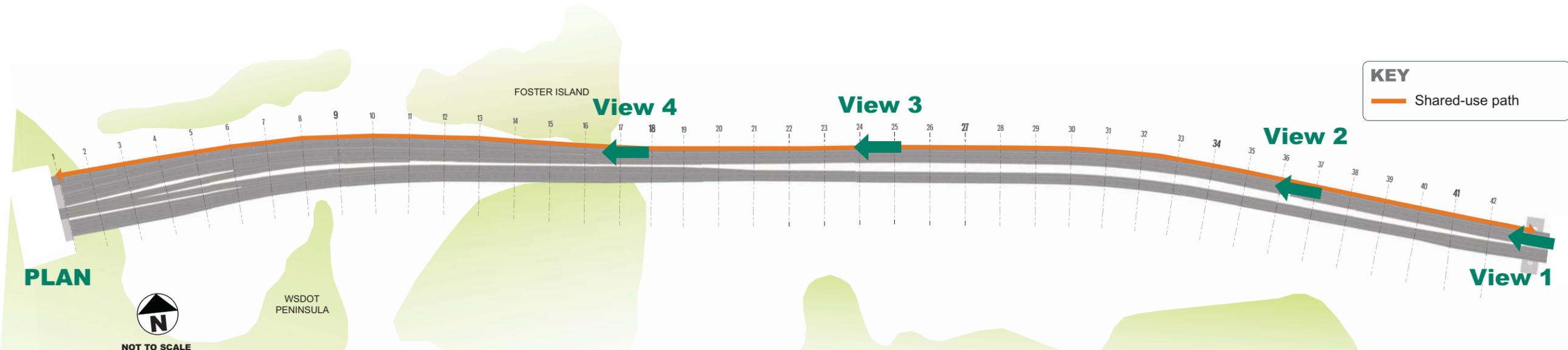
# West Approach Bridge - User Experience



## NORTH ELEVATION



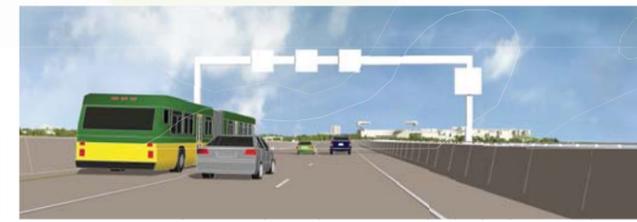
\*A belvedere is a widened area of the shared-use path that provides a place to stop, rest, and enjoy the view. Belvederes typically include benches and/or interpretive signage as well as a low screen wall for protection from the main path.



**KEY**  
 Shared-use path



View 1 Transition from Floating Bridge to West Approach Bridge



View 2 Transition from Lake Washington to Union Bay



View 3 Pedestrian view along shared-use path



View 4 Passing over Foster Island

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# West Approach Bridge - Visual Comparison with Existing Bridge

**View A from Husky Stadium:  
Existing Bridge**



**View A from Husky Stadium:  
West Approach Bridge**



**View B from Marsh Island boardwalk:  
Existing Bridge**



**View B from Marsh Island boardwalk:  
West Approach Bridge**



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# West Approach Bridge - Visual Comparison with Existing Bridge

**View C from Webster Point:  
Existing Bridge**



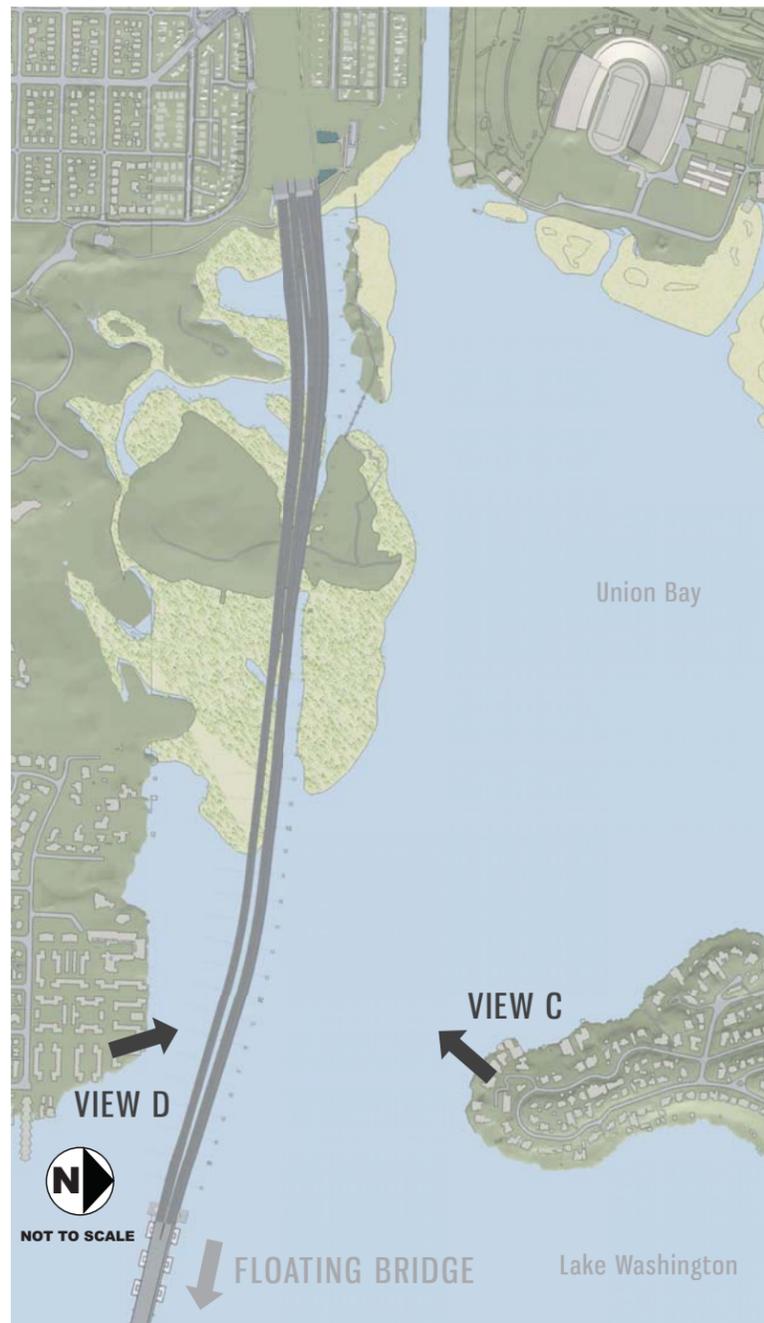
**View C from Webster Point:  
West Approach Bridge**



**View D from Madison Park:  
Existing Bridge**



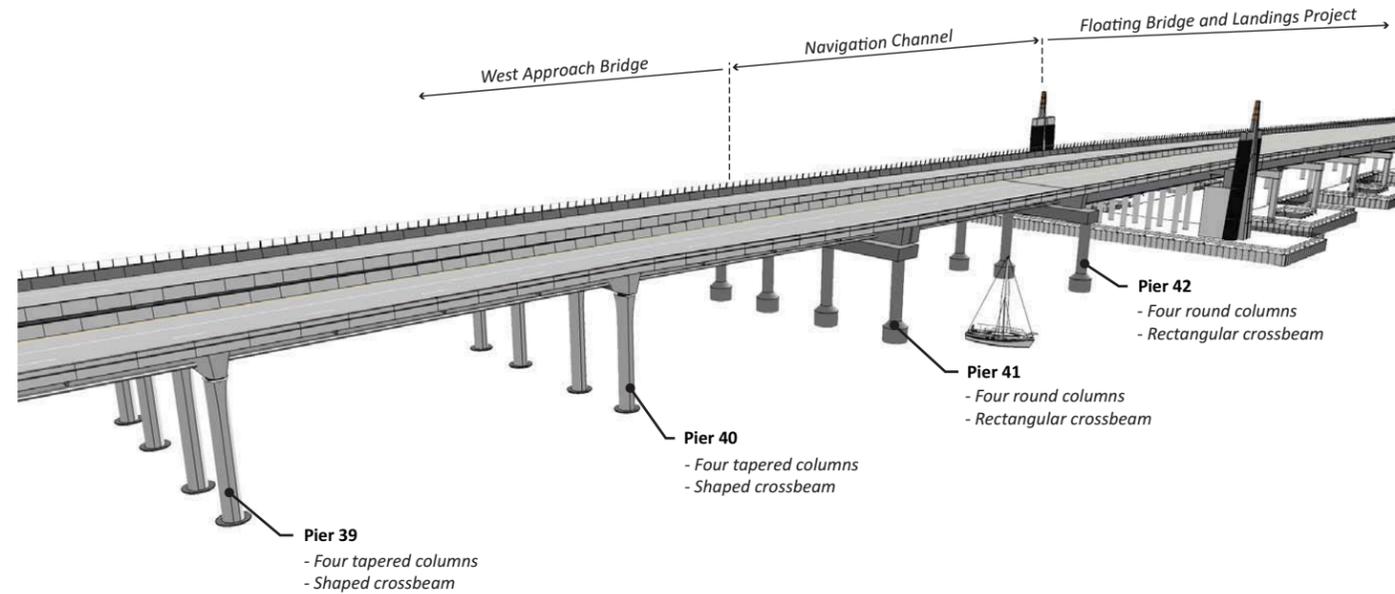
**View D from Madison Park:  
West Approach Bridge**



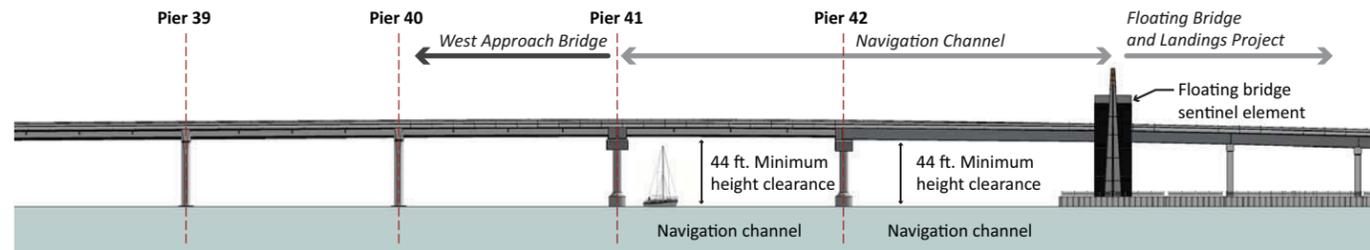
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# West Approach Bridge - Project Interface with Floating Bridge

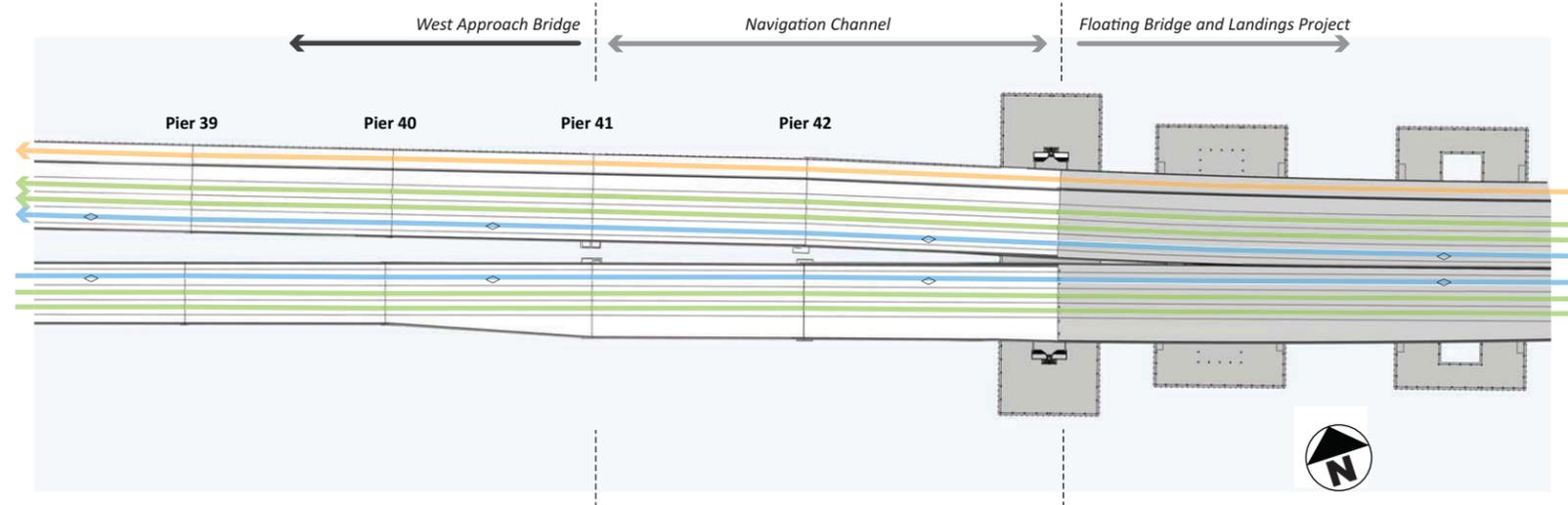
## Architectural Features at Project Interface



## Transition Span - South Elevation



## Channelization at Project Interface



**KEY**

- Regional shared-use path
- General purpose lanes
- Transit/HOV lanes



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