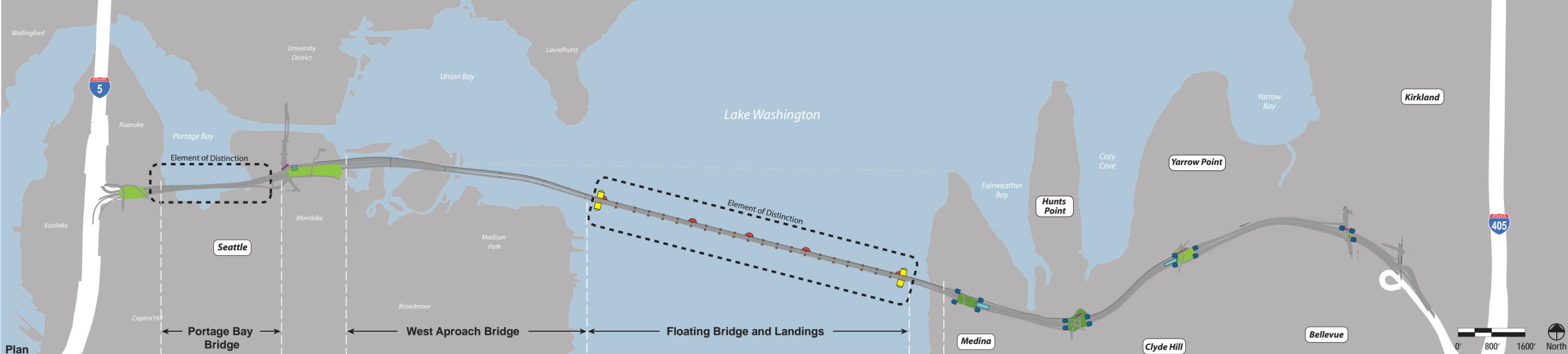


Corridor Architectural Elements - Continuity and Distinction



Program Area	Roanoke	Portage Bay Bridge	Montlake	West Approach Bridge	Floating Bridge and Landings	East Approach	Eastside Transit and HOV
Architectural Elements	TBD	TBD	TBD	TBD	<ul style="list-style-type: none"> Potential architectural treatment Potential belvedere Regional path railing Noise/traffic barrier Sentinel element Minor element Sentinel belvedere Midspan belvedere Regional path railing Traffic/ped barrier Haunched box girder 	<ul style="list-style-type: none"> Portal column Regional path railing Regional transit facility Wall finish w/ green over gray Shared use path tunnels 	<ul style="list-style-type: none"> Legend Sentinel Element Major Element Minor Element Belvedere Lid Portal Column Transit Facility Shared Use Path Tunnels
Program Area	TBD	TBD	TBD	TBD			

West Approach Bridge - Bridge Design

Description

An overview of the limits and structural components of the West Approach Bridge, and the potential for architectural refinement of components and 'belvederes' on the regional bicycle and pedestrian path.

Benefits

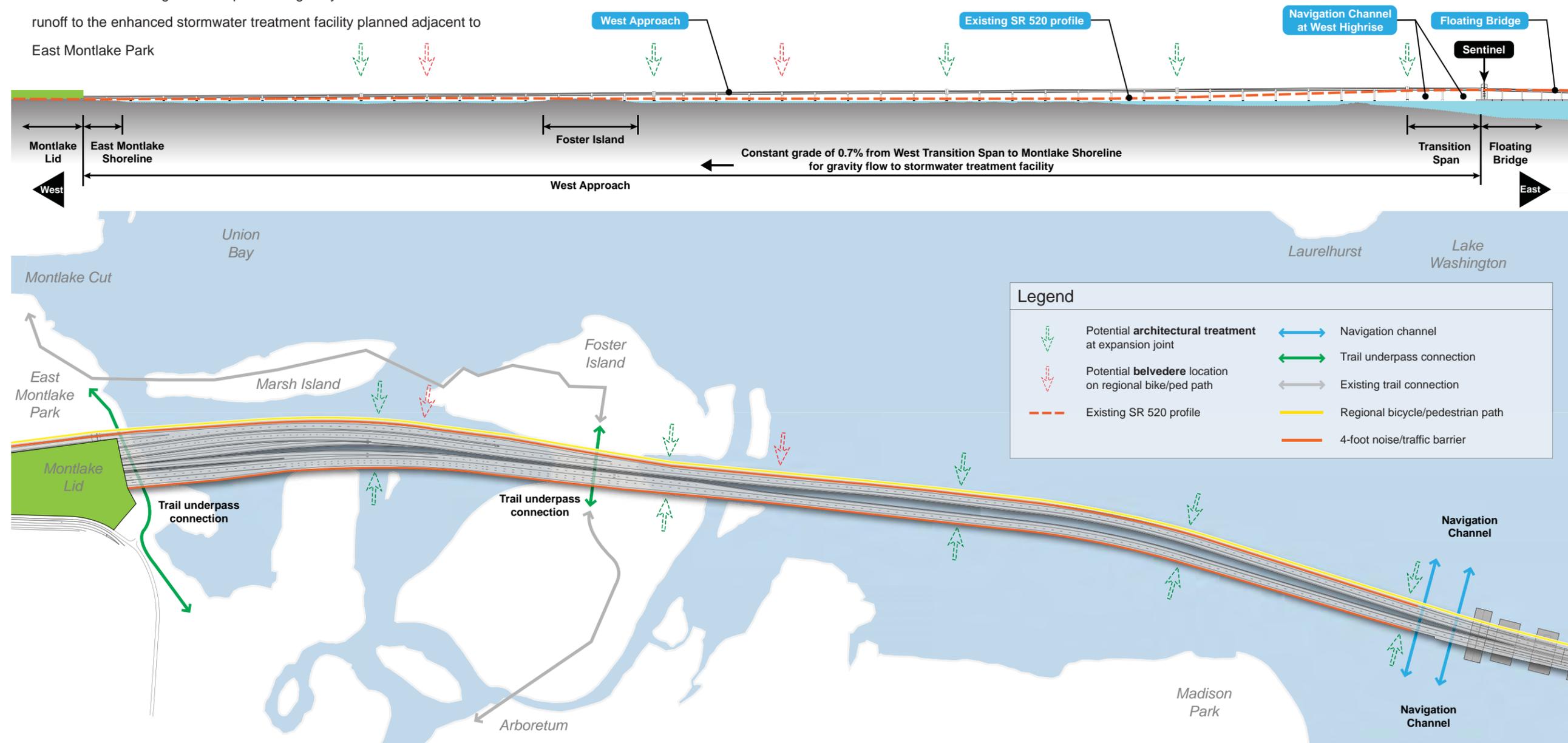
- Architectural refinement of bridge components enhances views and improves the visual aesthetics of the bridge design
- Belvederes provide an opportunity for pedestrians and bicyclists to rest and enjoy views
- A constant 0.7% bridge deck slope allows gravity flow of stormwater runoff to the enhanced stormwater treatment facility planned adjacent to East Montlake Park

Design Goals

- Refine and integrate structural components and other required bridge components to be more aesthetically pleasing
- Balance visual effects with architectural treatments
- Reduce construction impact to the lake and wetland environment by using long span precast girders between piers

Considerations

- Integration of pipes and bridge drains within the structural depth will reduce visual clutter
- Maintain adequate clearance height and sightlines at the Montlake east shoreline underpass
- Bridge type is limited to a beam bridge given site conditions



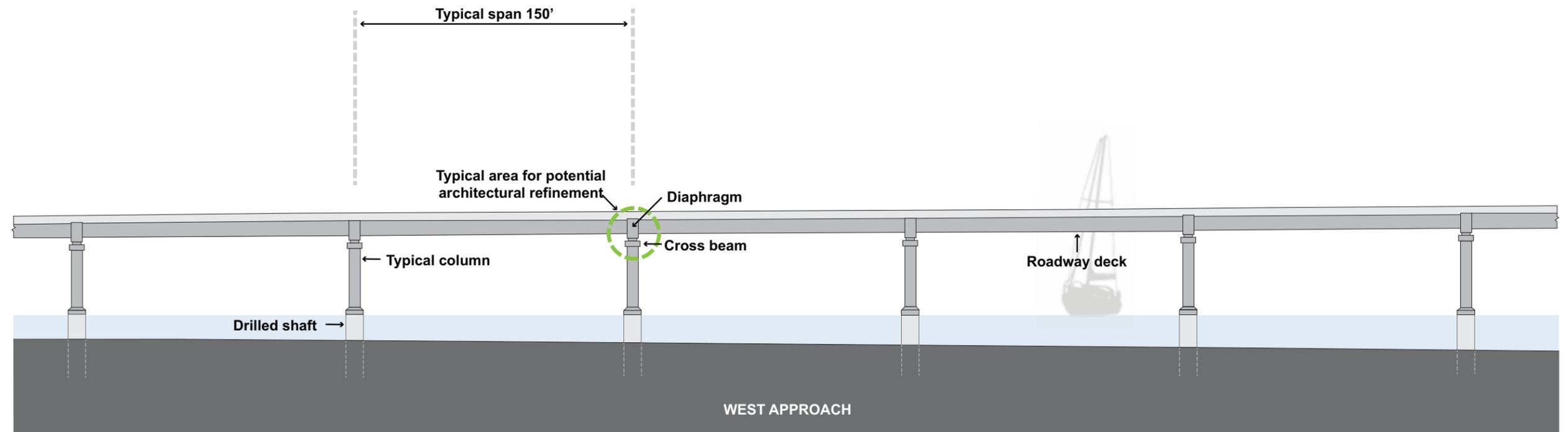
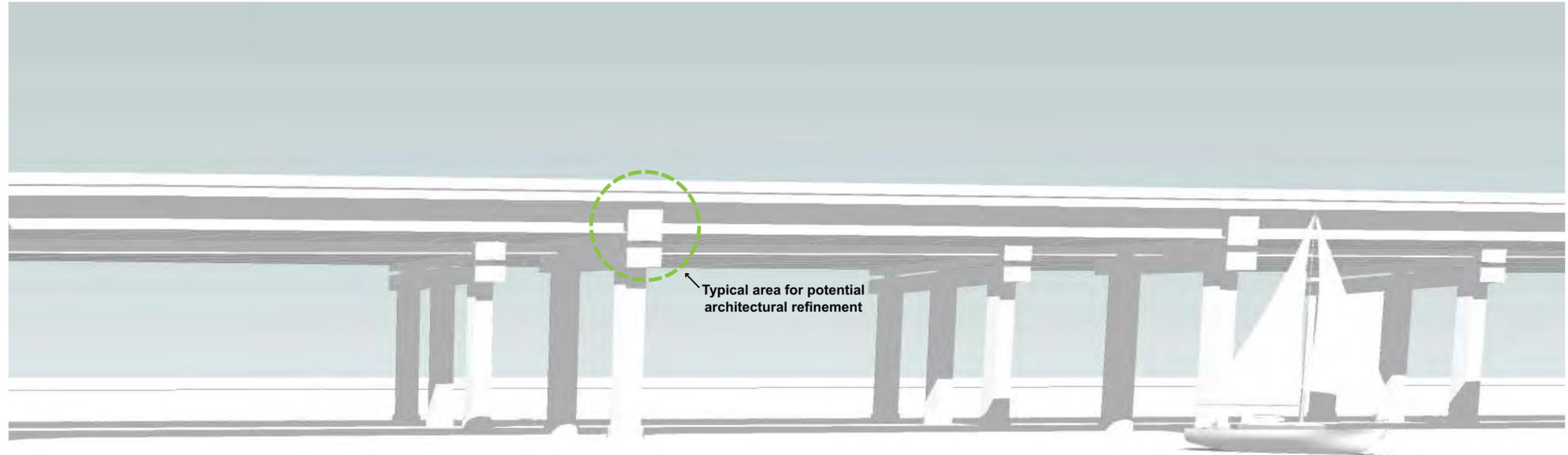
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Washington State Department of Transportation

SR 520

West Approach Bridge Design Approach - Typical Span



VIEW LOOKING NORTH

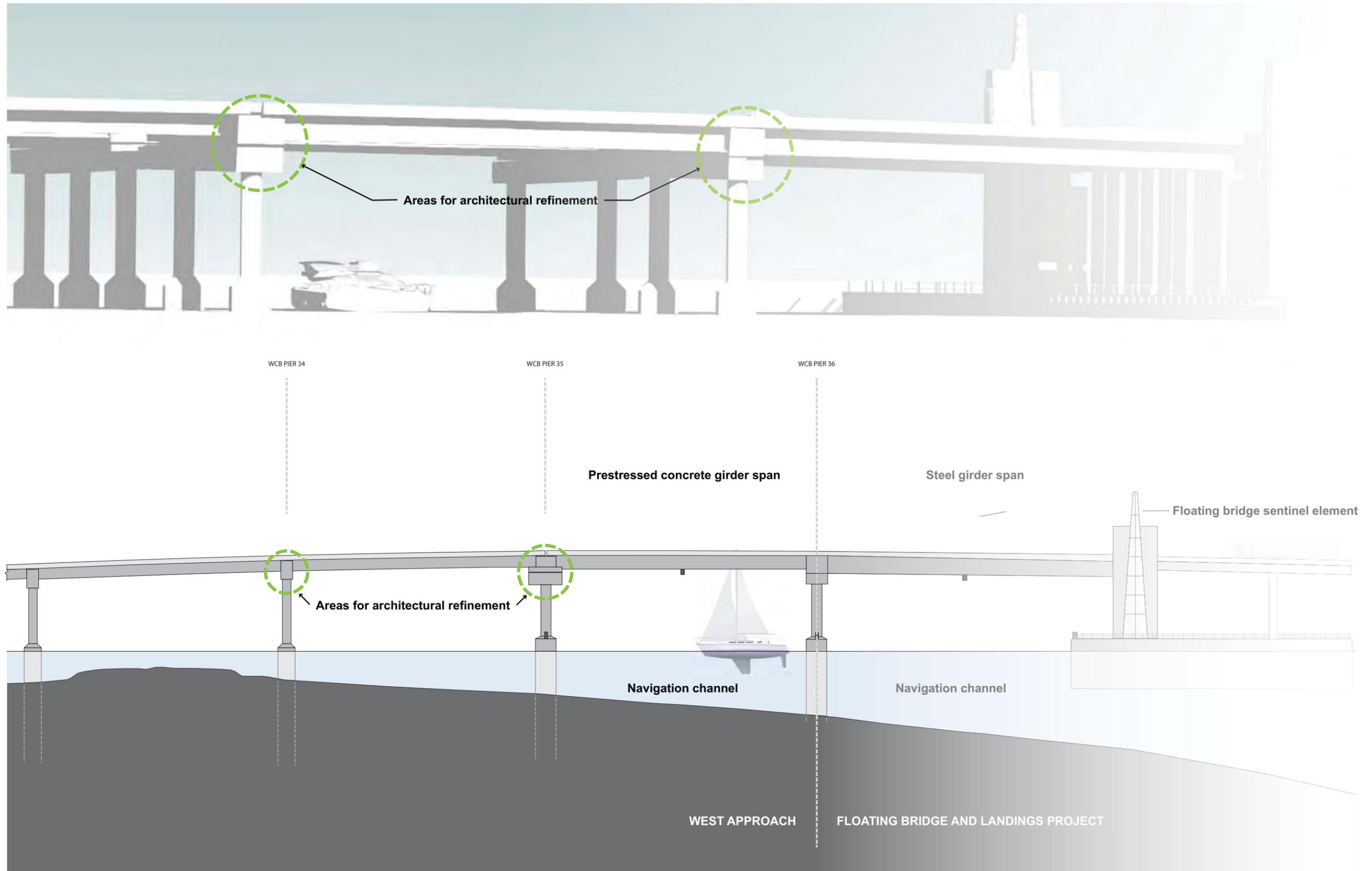
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 Washington State
Department of Transportation

 STATE ROUTE
520

West Approach Bridge Design Approach - Transition Span



VIEW LOOKING NORTH

West Approach Bridge Design Approach - Pedestrian Views From Shoreline

View 1 from Laurelhurst (Existing)



Key Map



View 1 from Laurelhurst (Proposed)



View 2 from Madison Park (Existing)



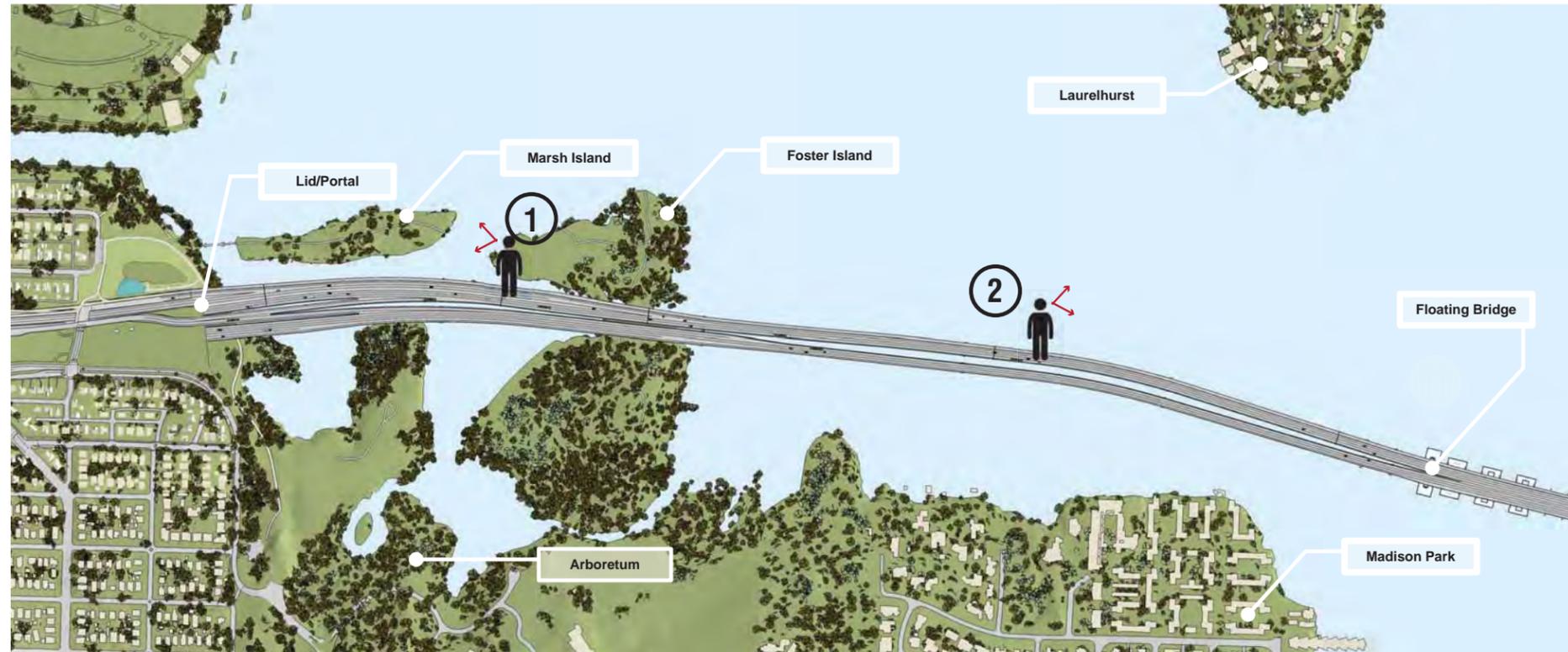
Key Map



View 2 from Madison Park (Proposed)



West Approach Bridge - Bicycle/Pedestrian Views on Bridge



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



1 Looking West



2 Looking East

Examples of belvederes on other bridges



PHOTO COURTESY OF GREAT ENTERPRISES

Examples of pedestrian railings on other bridges



PHOTO COURTESY OF Steele & Co. Ltd.

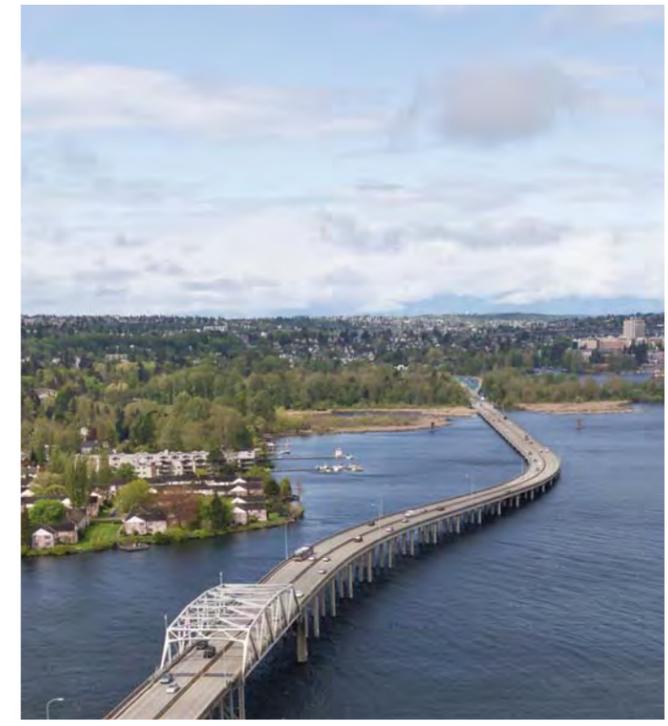
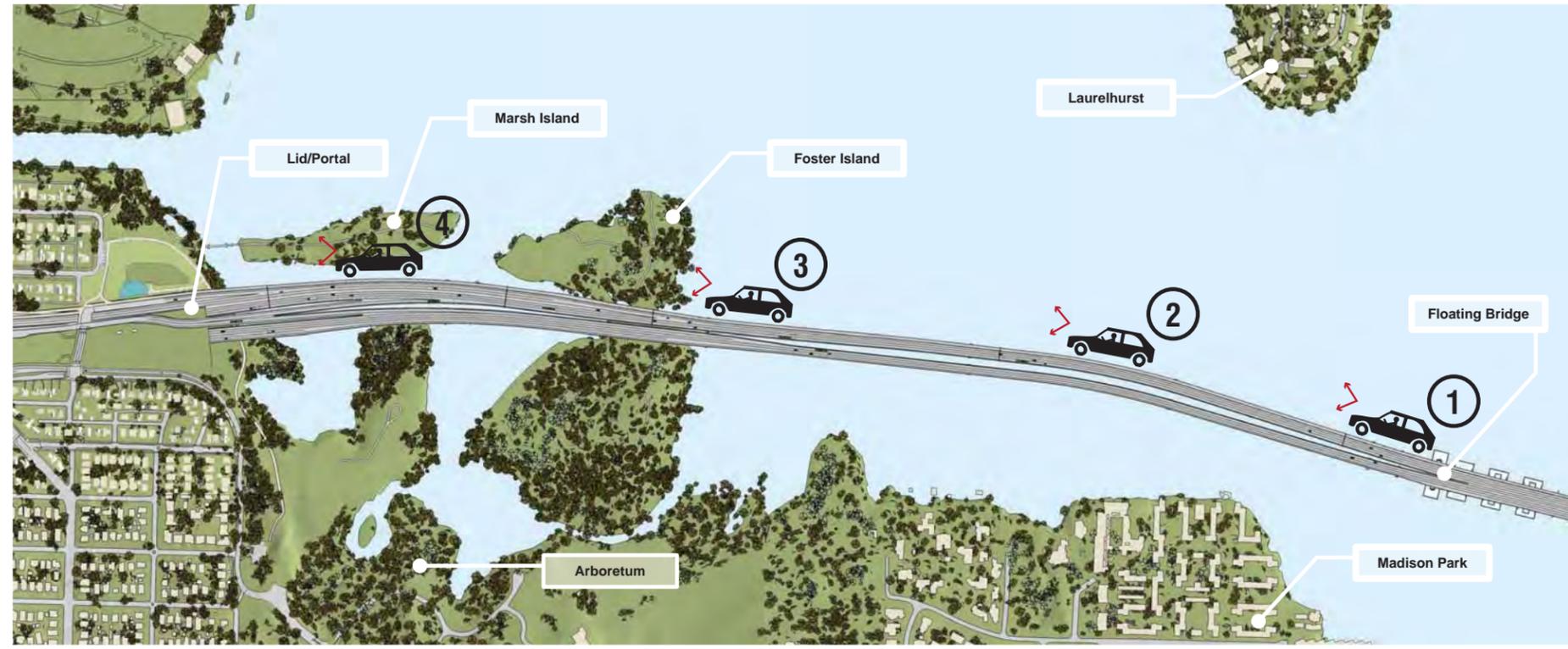
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West Approach Bridge - Views from Vehicle on Bridge



Existing View Looking West



1 Looking West



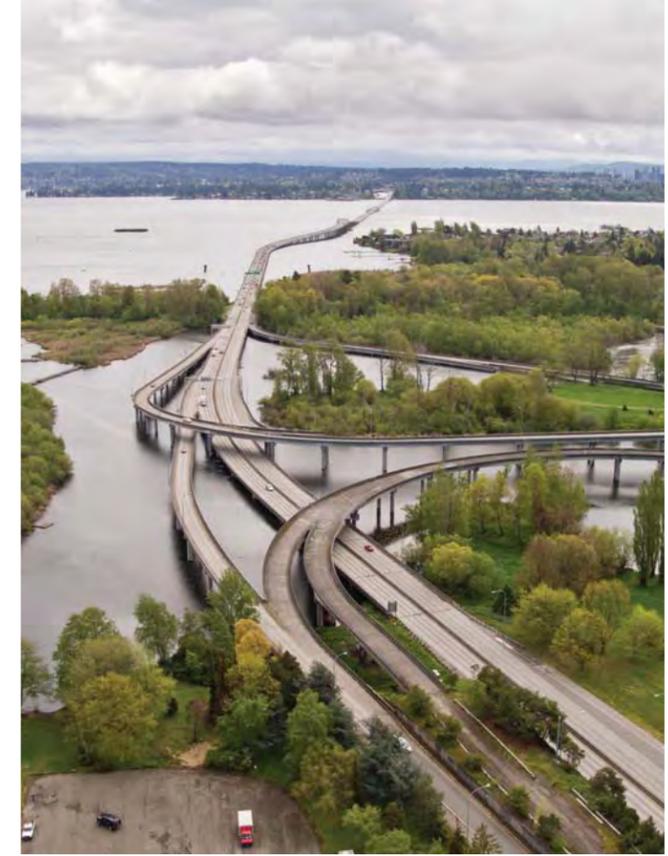
2 Looking West



3 Looking West



4 Looking West



Existing View Looking East