

# SR 520 Sustainability+Urban Design Strategies and Outcomes for Westside Design and Construction

The SR 520 Bridge Replacement and HOV Program is the first program in the U.S. working to implement measurable sustainability criteria across the design, construction, and operational phases of the project as well as across an entire corridor. These criteria seek to improve the environmental, social, and economic welfare of communities affected by construction and operation of the corridor.

The Westside project is the final segment of the SR 520 Program and represents nearly 50% of the cost of the entire program. The project is a unique opportunity to fully integrate urban design and sustainability principles into design and construction. Strategies to accomplish this are identified for the following areas and lead to three primary outcomes.

## CONNECTIVITY

- ◇ Increase transit and HOV access.
- ◇ Complete regional bicycle and walking facilities.
- ◇ Connect communities situated north and south of the corridor.
- ◇ Help complete the Olmstedian vision of connected parks and greenways.
- ◇ Improve public access to Lake Washington and Portage Bay shorelines.



Community connections

## ECOLOGY

- ◇ Restore natural habitat.
- ◇ Collect, treat, and return water run-off to the natural environment.
- ◇ Reduce noise and pollution during construction and for the life of the corridor.
- ◇ Reduce the accumulation of greenhouse gases (GHG) from construction materials, traffic delays during construction, and on-going operation of the corridor.



Collect and treat run-off

## MATERIALS

- ◇ Reduce use of new materials through use of recycled materials and product innovation.
- ◇ Obtain 'locally sourced' materials to help the regional economy and reduce transportation-generated GHG.
- ◇ Reduce the use of carbon-intensive materials.
- ◇ Select materials and systems on a life-cycle cost basis.



Locally sourced materials

## OUTCOMES

- ◇ Improved transit, cycling, and walking options can lead to more economically robust and 'livable' communities.
- ◇ Increased modal options, decreased congestion due to construction, improved long-term operations of the highway, and use of lower carbon intensive materials can lead to improved short-term and long-term air quality.
- ◇ Life cycle material and systems selection leads to better long-term value.



Multi-modal options

# Next steps: Seattle Community Design Process

April

*Shelby/Hamlin and  
Lake Washington Boulevard*

Public session date: Thursday, April 12

Time: 4:30 p.m.-7:30 p.m.

Location: Museum of History and Industry

2700 24th Ave. E., Seattle, WA 98112



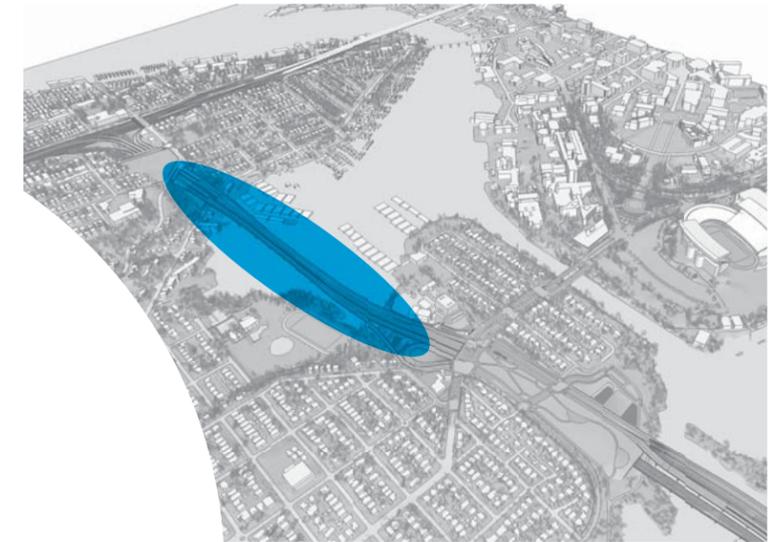
May

*Portage Bay area and  
bridge architecture*

Public session date: Saturday, May 19

Time: 9:00 a.m.-12:00 p.m.

Location: To be determined



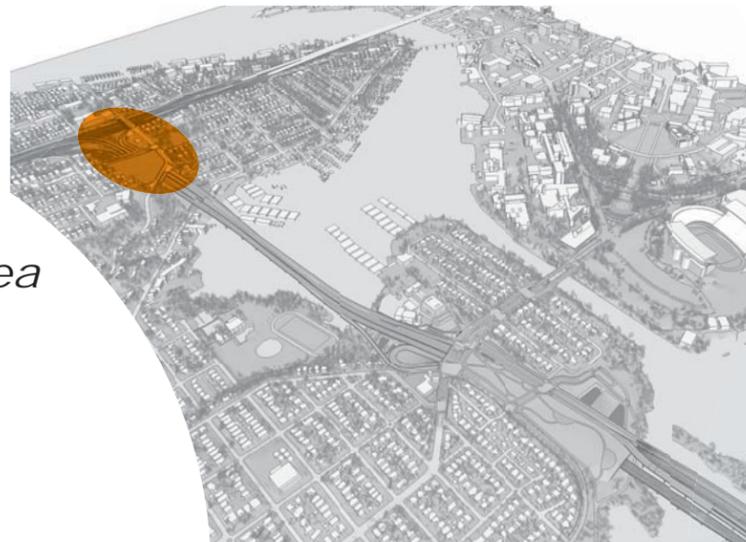
June

*10th and Delmar/I-5 area*

Public session date: To be determined

Time: To be determined

Location: To be determined



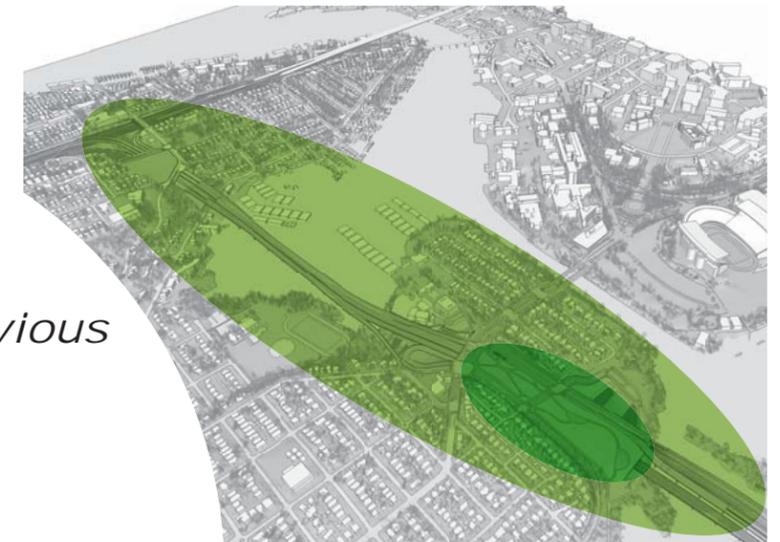
July

*Montlake lid area  
(with update from previous  
public sessions)*

Public session date: To be determined

Time: To be determined

Location: To be determined



More information soon available online at:

[www.wsdot.wa.gov/Projects/SR520Bridge/I5ToMedina/scdp](http://www.wsdot.wa.gov/Projects/SR520Bridge/I5ToMedina/scdp)