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 our 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.
Baseline Design
WEST APPROACH BRIDGE - DESIGN PROGRESSION

10-10-2012
Seattle Design Commission Subcommittee Meeting
Preferred Design

WEST APPROACH BRIDGE - DESIGN PROGRESSION

November 2012

[Images of bridge designs and details]
Design and construction of the West Approach Bridge continues to meet and augment SR 520 sustainability goals by lessening construction impacts and reducing concrete volumes by nearly 50 percent from the baseline design to the preferred design. This reduction in concrete is achieved through:

- Innovative technologies, such as seismic isolation bearings
- Simplification and reduction of substructure elements

The reduction in concrete has the potential to produce significant carbon dioxide (CO2) emission reductions.
TYPICAL COLUMN DETAILS

TOP OF COLUMN
Isolation bearing

BOTTOM OF COLUMN
Minimum column diameter

COLUMN ELEVATION
Minimum column diameter

Future screw jack location

Isolation bearing

6' Ø COLUMN

5' Ø COLUMN

4.5' Ø COLUMN

BEGINNING OF FLARE

BEGINNING OF FLARE

BEGINNING OF FLARE

BEGINNING OF FLARE

TOP OF COLUMN
6'-7"

BOTTOM OF COLUMN
6'-0"

COLUMN ELEVATION
8'-7"

November 2012
A: VIEW FROM HUSKY STADIUM

EXISTING CONDITIONS

BASELINE DESIGN

CURRENT DESIGN
B: VIEW FROM UW WATERFRONT ACTIVITIES CENTER

EXISTING CONDITIONS

BASELINE DESIGN

CURRENT DESIGN

FEIS VIEWS KEY

FLOATING BRIDGE
D: VIEW FROM WEBSTER POINT

EXISTING CONDITIONS

BASELINE DESIGN

CURRENT DESIGN

FEIS VIEWS KEY

FLOATING BRIDGE
E: VIEW FROM NORTH MADISON PARK

EXISTING CONDITIONS

BASELINE DESIGN

CURRENT DESIGN

FEIS VIEWS KEY

FLOATING BRIDGE

Union Bay

Lake Washington
View 1  Transition from Lake Washington to Union Bay

View 2  Pedestrian view along shared-use path

View 3  Passing over Foster Island

View 4  Approaching land and Montlake portal
belvederes & maintenance catwalks

14' shared-use path
4'-high pedestrian barrier
SR 520 westbound lanes

sign bridges

56'
6'
14' shared-use path 4'-high pedestrian barrier

November 2012
DRAFT