

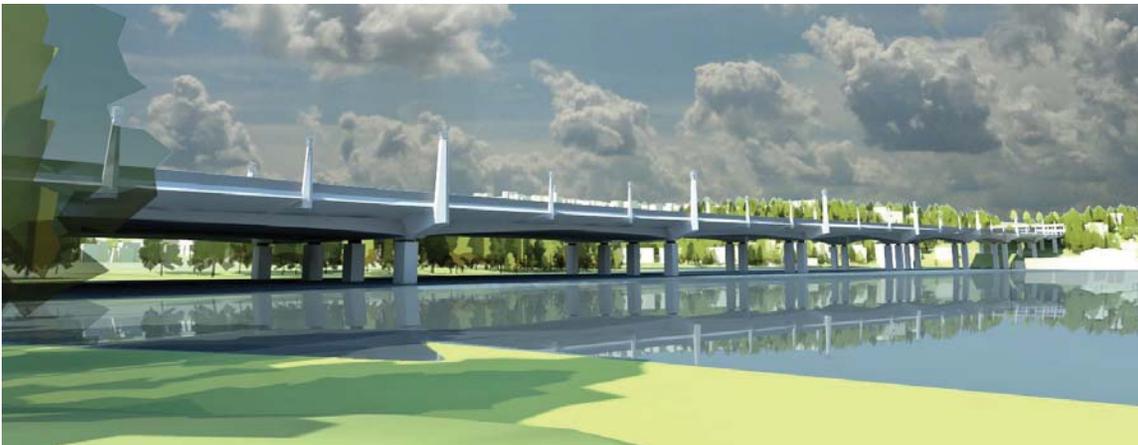
Portage Bay Bridge

Vision

Cable stay concept



Box girder concept



View from the Seattle Yacht Club looking southeast

Design vision for Portage Bay Bridge:

- The Portage Bay Bridge is both a **distinctive and context-sensitive element** within the family of SR 520 bridges.
- The bridge serves as a **connecting thread**, tying together the tree-covered Roanoke ridge to the west and the heart of the residential, research and multimodal transportation at Montlake to the east.
- With the recommendation of a **shared-use path**, the Portage Bay Bridge helps to complete regional connectivity for **all modes of users** throughout the SR 520 corridor.

Portage Bay Bridge

View from University bridge looking southeast

Existing bridge



Cable stay concept



Box girder concept



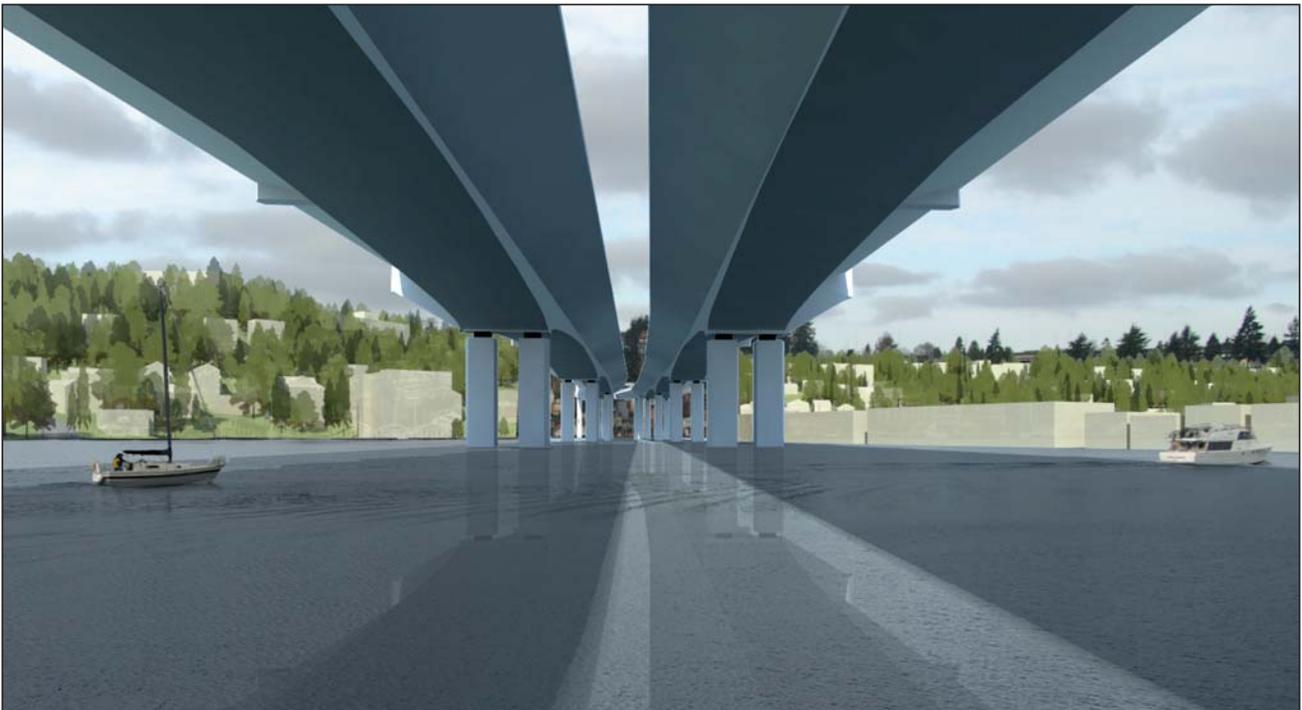
Portage Bay Bridge

View from under bridge looking west

Cable stay concept



Box girder concept



Both concepts meet our vision and goals by:

- Gap between structures allows:
 - More light to reach the water and land below
 - Provides break in bridge width
- Raised bridge profile on east end provides boaters with easier access and improved views

Portage Bay Bridge

View from 10th and Delmar lid

Cable stay concept



Box girder concept



Both concepts meet our vision and goals by:

- Minor and major elements provide function, lighting, signage support and provide a sense of rhythm moving across bridge
- Cable elements create a unique moment on the bridge, which changes at different perspectives

Portage Bay Bridge

View of shared-use path looking west

Cable stay concept



Box girder concept



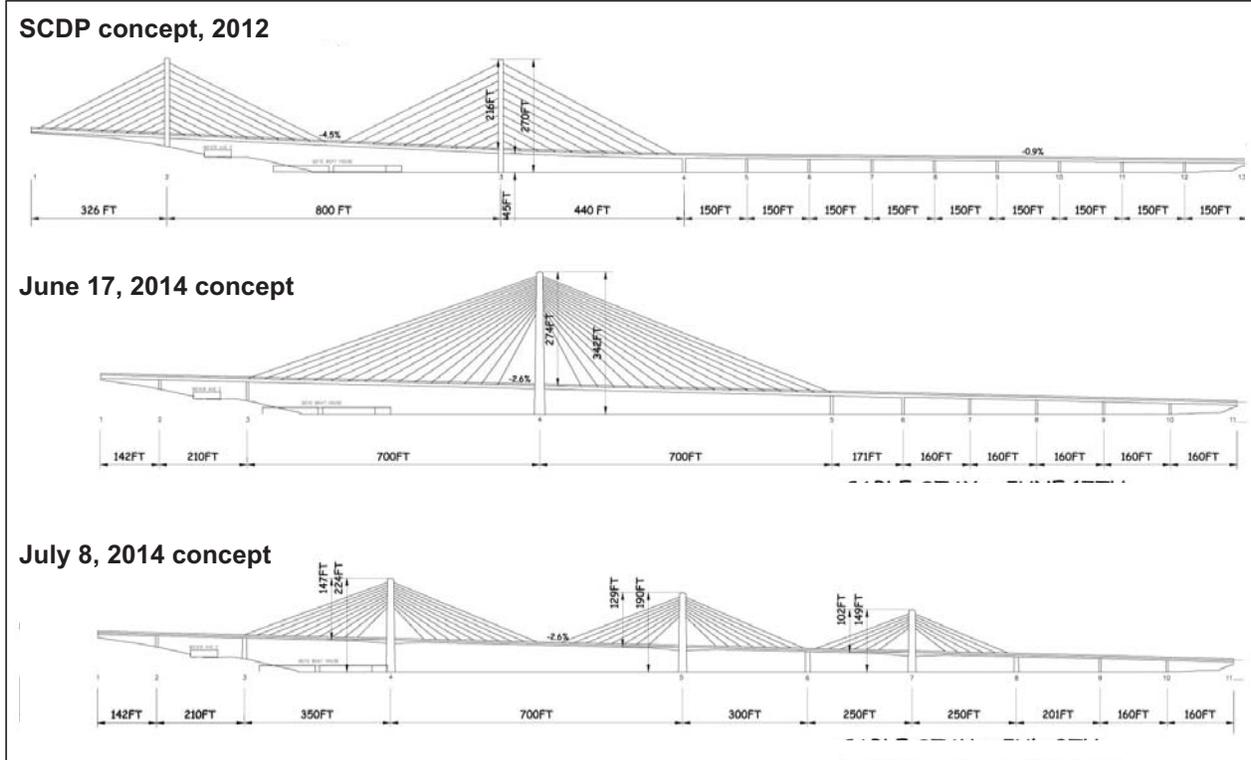
Both concepts meet our vision and goals by:

- Shared-use path provides local and regional connectivity for all users
- Raised bridge profile on east end improves access for all users
- Path provides views
- Bridge elements help provide scale to the user experience and add visual interest

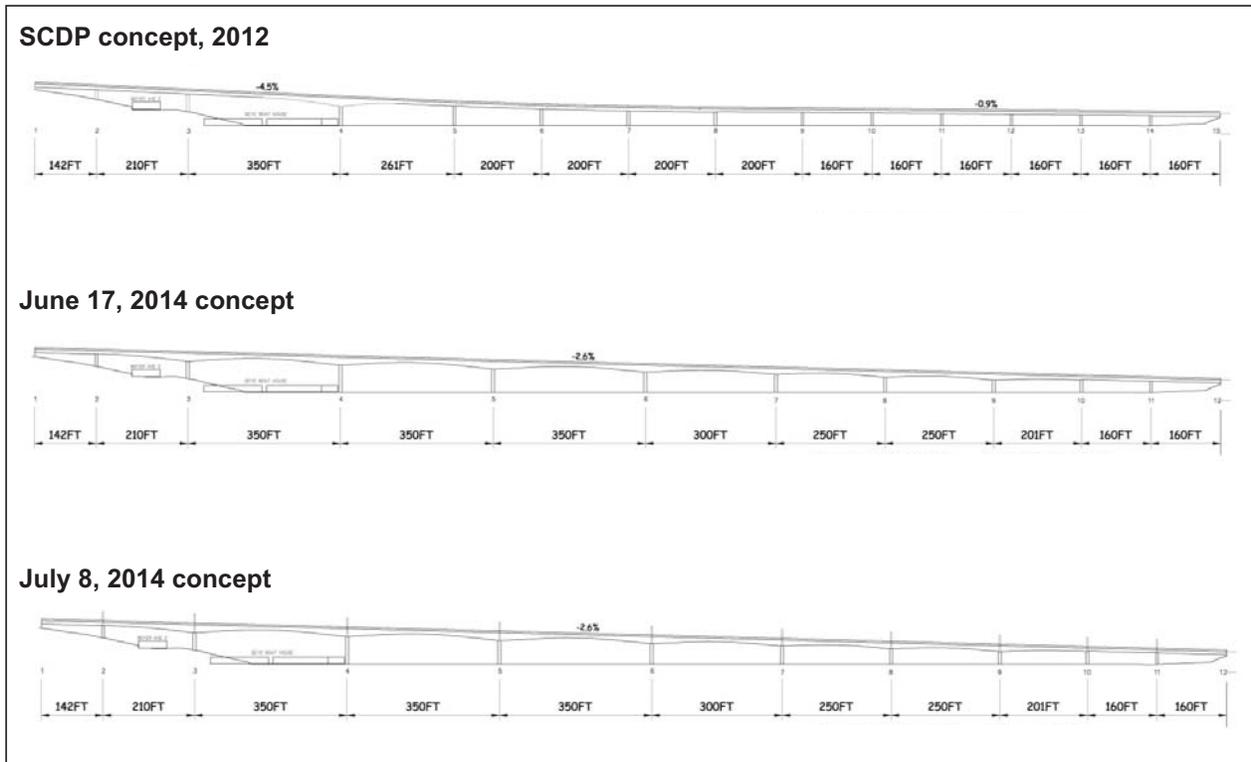
Portage Bay Bridge

Elevation and profile design studies

Cable stay concept



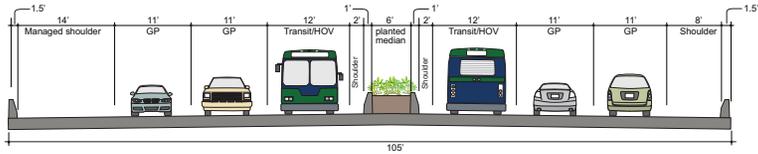
Box girder concept



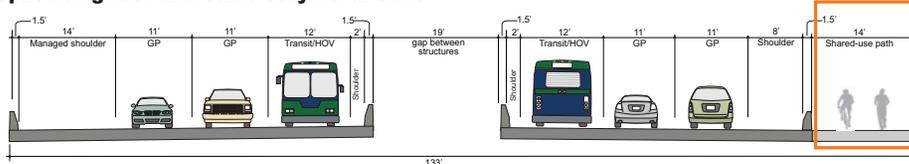
Portage Bay Bridge Options Comparisons

Section views looking east

FEIS baseline



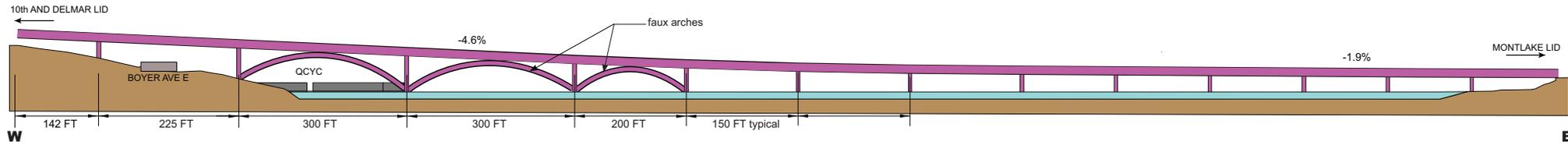
Split box girder and cable stay north shift



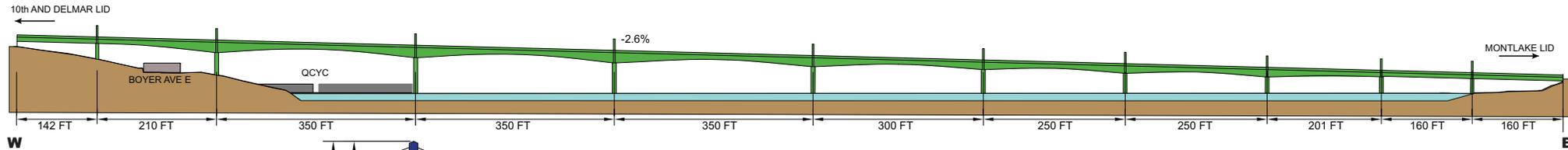
NOTE: The shared-use path is not included in the baseline design.

Elevation views looking north

FEIS baseline



Box girder north shift



Cable-stayed north shift

