SR 520 Bridge Replacement and HOV Program

Seattle Design Commission

Bruce McKean
KGM, Bridge Architect
Helix Design Group

John White, P.E.
WSDOT, Project Director

Teal Brogden
KGM, Lighting Designer
Horton Lees Brogden Lighting Design

David L. Dye, P.E.
Deputy Secretary

Paula Hammond
Secretary of Transportation

Julie Meredith, P.E.
SR 520 Program Director

Seattle Design Commission Briefing
Seattle City Hall
July 5, 2012
RAILING
Illuminated Bridges- Classic

520 Bridge Color Options
Illuminated Bridges- Classic and Contemporary

520 Bridge Color Options
Illuminated Bridges - Contemporary

520 Bridge Color Options
Illuminated Bridges- Other Examples

520 Bridge Color Options
Color Inspiration – the Evergreen Point Bridge
Sentinel Color Options

520 Bridge Color Options
520 Bridge Preferred Color Option
520 Bridge Preferred Color Option

520 Bridge Color Options
LAURELHURST VIEW
WEST SENTINEL BELVEDERE

- Historical Tribal use of the lake
- Current Tribal use of the lake
- Muckleshoot Indian Tribe (MIT)
- How industry has changed the lake
LOW-RISE WEST BELVEDERE

- Unique features of Lake WA
- Lake navigation
- Canal construction/looka
- Current maritime use
MID-SPAN BELVEDERE

POINTS OF INTEREST

- Landscape features
- Neighborhoods & communities
LOW-RISE EAST BELVEDERE

- Flora and fauna of Lake Washington
- Habitat/climate description
EAST SENTINEL BELVEDERE
MEDINA VIEWPOINT

- History of communities on the Eastside
- Information about the old SR 520 Bridge
- Historic ferry crossing

**Metal Railing, 42" High**

**Interpretive Sign**

**Low Concrete Wall, 18" High**

**Control Joint, Typ.**
USER PERSPECTIVE
MATERIALS AND ATTACHMENTS

**PORCELAIN ENAMEL SIGN**
Newseum Museum,
Washington DC

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<table>
<thead>
<tr>
<th>Sign Material</th>
<th>Scratch Resistance</th>
<th>Impact Resistance</th>
<th>Weather Resistance</th>
<th>Replacement Cost</th>
<th>Graphic Range</th>
<th>Required Maintenance</th>
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<tbody>
<tr>
<td>Porcelain enamel on steel</td>
<td>Very Good</td>
<td>Poor</td>
<td>Fair</td>
<td>Poor</td>
<td>20+</td>
<td></td>
</tr>
<tr>
<td>fiberglass embedded</td>
<td>Very Good</td>
<td>Poor</td>
<td>Fair</td>
<td>Poor</td>
<td>10+</td>
<td></td>
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<tr>
<td>Baked enamel on metal (point)</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
<td>Fair</td>
<td>Poor</td>
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<tr>
<td>Photoprocessed aluminum</td>
<td>Good</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
<td>5+</td>
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<tr>
<td>Silkcreened or painted aluminum</td>
<td>Good</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
<td>5+</td>
<td></td>
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<tr>
<td>Cast aluminum</td>
<td>Good</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
<td>20+</td>
<td></td>
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<tr>
<td>Cast bronze or brass</td>
<td>Fair</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
<td>40+</td>
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<tr>
<td>Engraved or etched stainless steel</td>
<td>Fair</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
<td>10+</td>
<td></td>
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<tr>
<td>Routed or sandblasted wood (painted)</td>
<td>Fair</td>
<td>Poor</td>
<td>Poor</td>
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<td>5+</td>
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<tr>
<td>Engraved plastic</td>
<td>Fair</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
<td>5+</td>
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<tr>
<td>Rear screen printed plastic</td>
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<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
<td>5+</td>
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<tr>
<td>Applied vinyl</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
<td>5+</td>
<td></td>
</tr>
</tbody>
</table>
Program Construction Staging – Phase I

- Floating Bridge Connection to the Existing West Approach
- New floating bridge
- West Connection Bridge

Construction Phase 1
Program Construction Staging – Full Build

- Floating Bridge Connection to the Future West Approach
- West Approach Bridge North
- New floating bridge
- West Approach Bridge South
- Columns from interim connection reused

Legend:
- Construction Phase 1
- Full Build

Scale:
- 0 - 250 - 500 Feet

Washington State Department of Transportation
Program Construction Staging

Note: Approximate length of west connection bridge is 1,335 feet.