Design Team Members

WSDOT and SDOT have brought on world-class architecture firms to aid in the design of the proposed bored tunnel. The team includes:

- NBBJ
- PB Architects
- ROMA Design Group
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>Initiate contracting</td>
</tr>
<tr>
<td>2010</td>
<td>Environmental review and preliminary design</td>
</tr>
<tr>
<td>2011</td>
<td>Right of way acquisition and permitting</td>
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<tr>
<td>2012</td>
<td>Major construction</td>
</tr>
<tr>
<td>2013</td>
<td>Bored tunnel open to drivers</td>
</tr>
<tr>
<td>2014</td>
<td>Viaduct demolition</td>
</tr>
</tbody>
</table>

*Assumes Record of Decision (ROD) for the bored tunnel alternative is issued in 2011.*
New Proposed SR 99 Bored Tunnel Alignment
New Proposed South Portal

SR 99 central waterfront bored tunnel alternative
SR 99 and ramps
Surface streets
Proposed bored tunnel

S. Holgate Street to S. King Street Viaduct Replacement

Bicycle/pedestrian paths
Transit lane*

*Additional transit pathway projects to be completed by County and City.
New Proposed North Portal – Option 1
Presentation to the
Seattle Design Commission
January 21, 2010
Update on Bored Tunnel Alternative and North and South Portal Areas

Prepared by ROMA Design Group
in Association with NBBJ
NORTH PORTAL: OPTION 1
BORED TUNNEL ALTERNATIVE
Pedestrian and Bicycle Access

NORTH PORTAL: OPTION 1
BORED TUNNEL ALTERNATIVE
Pedestrian and Bicycle Access

NORTH PORTAL: OPTION 2
BORED TUNNEL ALTERNATIVE
Transit Access

NORTH PORTAL: OPTION 1
BORED TUNNEL ALTERNATIVE
Transit Access

NORTH PORTAL: OPTION 2
BORED TUNNEL ALTERNATIVE
Opportunity Areas

NORTH PORTAL: OPTION 1
BORED TUNNEL ALTERNATIVE
Opportunity Areas

NORTH PORTAL: OPTION 2
BORED TUNNEL ALTERNATIVE
Tunnel Support Buildings

PROGRAM FUNCTIONS:

- EMERGENCY VENTILATION; 4-5 FANS
- ELECTRICAL SYSTEMS AND EQUIPMENT
- MAINTENANCE FACILITIES WITH PARKING
- OPERATIONAL BACKUP AND SYSTEMS MONITORING
Tunnel Support Buildings

North Site Location
North Site Design Influences
Existing South Portal Area

SOUTH PORTAL
BORED TUNNEL ALTERNATIVE
Elements

ELEVATED BRIDGE STRUCTURE

BYPASS BRIDGE

ON AND OFF RAMPS TO AND FROM SR99 AND ALASKAN WAY

PORTAL: SR99 TO AND FROM TUNNEL

E. MARGINAL WAY

TAIL TRACK

ALASKAN WAY

TUNNEL SUPPORT BUILDINGS

RAMPS: TO AND FROM TUNNEL TO CITY STREETS AND 519

STAIR

SOUTH PORTAL: OPTION 1
BORED TUNNEL ALTERNATIVE
Elements

SOUTH PORTAL: OPTION 2
BORED TUNNEL ALTERNATIVE
Comparison

OPTION 1

OPTION 2
Pedestrian and Bicycle Access

SOUTH PORTAL: OPTION 1
BORED TUNNEL ALTERNATIVE
Circulation: SR-99 Tunnel

SOUTH PORTAL: OPTION 1
BORED TUNNEL ALTERNATIVE
Circulation: SR-99 Tunnel

SOUTH PORTAL: OPTION 2
BORED TUNNEL ALTERNATIVE
Tunnel to City Streets and 519

SOUTH PORTAL: OPTION 1
BORED TUNNEL ALTERNATIVE
SOUTH PORTAL: OPTION 2
BORED TUNNEL ALTERNATIVE
Conceptual Section at Tunnel Entrance

SOUTH PORTAL
BORED TUNNEL ALTERNATIVE
Circulation: SR-99 to Alaskan Way

SOUTH PORTAL: OPTION 1
BORED TUNNEL ALTERNATIVE
Circulation: SR-99 to Alaskan Way

SOUTH PORTAL: OPTION 2
BORED TUNNEL ALTERNATIVE
Circulation to and from 519

SOUTH PORTAL: OPTION 1
BORED TUNNEL ALTERNATIVE
Circulation to and from 519

SOUTH PORTAL: OPTION 2
BORED TUNNEL ALTERNATIVE
Transit Access

SOUTH PORTAL: OPTION 1
BORED TUNNEL ALTERNATIVE
Transit Access

SOUTH PORTAL: OPTION 2
BORED TUNNEL ALTERNATIVE
Opportunity Areas

SOUTH PORTAL: OPTION 1
BORED TUNNEL ALTERNATIVE
Opportunity Areas

SOUTH PORTAL: OPTION 2
BORED TUNNEL ALTERNATIVE
Tunnel Support Buildings

South Site Location

BORED TUNNEL
CUT AND COVER TUNNEL
ALASKAN WAY
EXISTING VIA DUCT
RAILROAD WAY SOUTH
SOUTH KING STREET
1ST AVENUE SOUTH
S. CHARLES STREET
S. DEARBORN STREET
PLAZA
NORTH
Tunnel Support Buildings

South Site Design Influences
Pedestrian, Bicycle Linkages
Portal Entrance to Tunnel and Ramps to City
Alaskan Way – Entering the Downtown Waterfront
### Proposed SDC Meeting Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>January 21</td>
<td>Seattle Design Commission&lt;br&gt;- Introduction and Update&lt;br&gt;- Urban Design Goals and Objectives&lt;br&gt;- Functional plans for portal areas&lt;br&gt;- Preliminary observations of issues and opportunities</td>
</tr>
<tr>
<td>February 18</td>
<td>Seattle Design Commission&lt;br&gt;- Guiding Principles and Preliminary Concepts&lt;br&gt;- Potential treatment of ramps, bridges, portals, support buildings, streets and public ways</td>
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<tr>
<td>March 4</td>
<td>SDC Subcommittee&lt;br&gt;- Concept refinement in response to input</td>
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<tr>
<td>March 18</td>
<td>Seattle Design Commission&lt;br&gt;- Further update of principles and concepts&lt;br&gt;- Preliminary guidelines for components and treatments</td>
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<tr>
<td>March 31</td>
<td>SDC Subcommittee&lt;br&gt;- Refinement of guidelines for components and treatments in response to input</td>
</tr>
<tr>
<td>April 15</td>
<td>Seattle Design Commission&lt;br&gt;- Final presentation of goals and objectives, principles and concepts and visual design guidelines</td>
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