Alaskan Way Viaduct & Seawall Replacement Program

Seattle Design Commission
January 21, 2010
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
## Proposed Bored Tunnel Timeline*

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*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
NORTH PORTAL: OPTION 2
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
NORTH PORTAL: OPTION 2
BORED TUNNEL ALTERNATIVE
Opportunity Areas

NORTH PORTAL: OPTION 1
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

Support Building Section

- **Tunnel Maintenance & Operations**
- **Ventilation Fans**
- **Tunnel Systems**
- **Cut & Cover Tunnel**
Tunnel Support Buildings

North Site Location
Existing South Portal Area

SOUTH PORTAL
BORED TUNNEL ALTERNATIVE
SOUTH PORTAL: OPTION 1
BORED TUNNEL ALTERNATIVE
SOUTH PORTAL: OPTION 2
BORED TUNNEL ALTERNATIVE
City Streets

SOUTH PORTAL: OPTION 1
BORRED TUNNEL ALTERNATIVE
City Streets

SOUTH PORTAL: OPTION 2
BORED TUNNEL ALTERNATIVE
Pedestrian and Bicycle Access

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

SOUTH PORTAL: OPTION 2
BORED TUNNEL ALTERNATIVE
Circulation: SR-99 Tunnel

SOUTH PORTAL: OPTION 1
BORED TUNNEL ALTERNATIVE
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
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
Conceptual Section of Alaskan Way

SOUTH PORTAL
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
South Site Design Influences
Overview of South Portal Area
Pedestrian, Bicycle Linkages
Portal Entrance to Tunnel and Ramps to City
Alaskan Way – Entering the Downtown Waterfront
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| January 21         | Seattle Design Commission                  | • Introduction and Update  
                        |                                                               | • Urban Design Goals and Objectives  
                        |                                                               | • Functional plans for portal areas  
                        |                                                               | • Preliminary observations of issues and opportunities |
| February 18        | Seattle Design Commission                  | • Guiding Principles and Preliminary Concepts  
                        |                                                               | • Potential treatment of ramps, bridges, portals, support buildings, streets and public ways |
| March 4            | SDC Subcommittee                           | • Concept refinement in response to input  |
| March 18           | Seattle Design Commission                  | • Further update of principles and concepts  
                        |                                                               | • Preliminary guidelines for components and treatments |
| March 31           | SDC Subcommittee                           | • Refinement of guidelines for components and treatments in response to input |
| April 15           | Seattle Design Commission                  | • Final presentation of goals and objectives, principles and concepts and visual design guidelines |