

Montlake Lid Operations & Maintenance Facility - Description & Program Summary

Description

The length of the Montlake lid requires ventilation, fire and life safety equipment, and an Operations and Maintenance (O&M) Facility. The project will continue to coordinate with FHWA and the City of Seattle on the specific requirements. Two potential locations for this facility have been identified: 1) on top of the lid just east of 24th Avenue East, or 2) set into the slope at the SE corner of the lid. The requirements include two large vent stacks that need to be located on top of the lid to the east of 24th Avenue East.

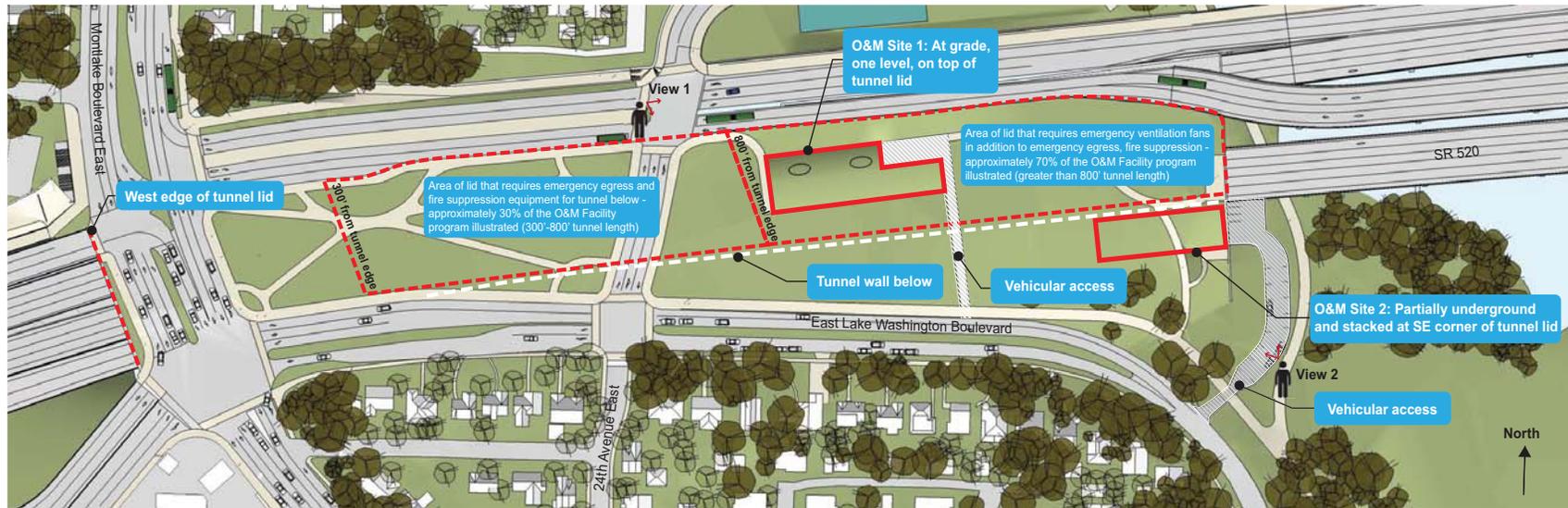
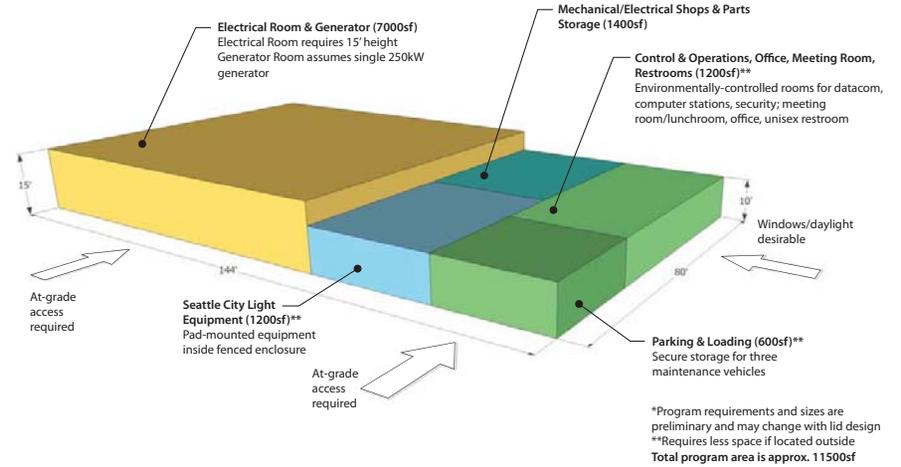
Function

- Contain electrical and mechanical equipment and shop space requirements of both regular and emergency ventilation for the tunnel under the lid as well as maintenance requirements of the west approach bridge
- Provide a minor amount of required office and work space for daily staff necessary for the lid and west approach bridge

Design Goals

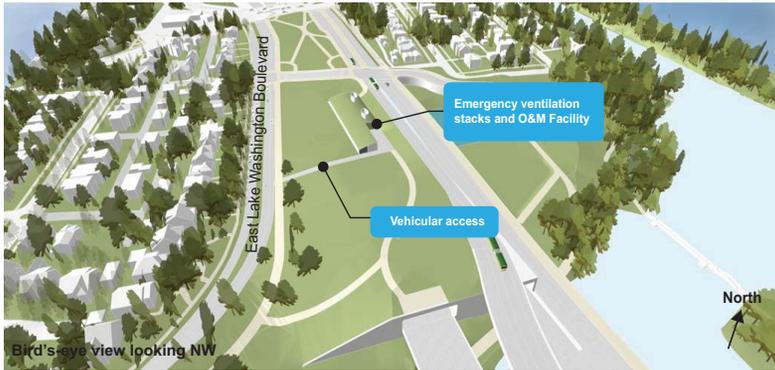
- Reduce visual impacts from East Lake Washington Boulevard
- Integrate the building into the landscape as much as possible

O&M Facility Program Summary*



Montlake Lid Operations & Maintenance Facility - Potential Locations

Site 1: On top of tunnel lid

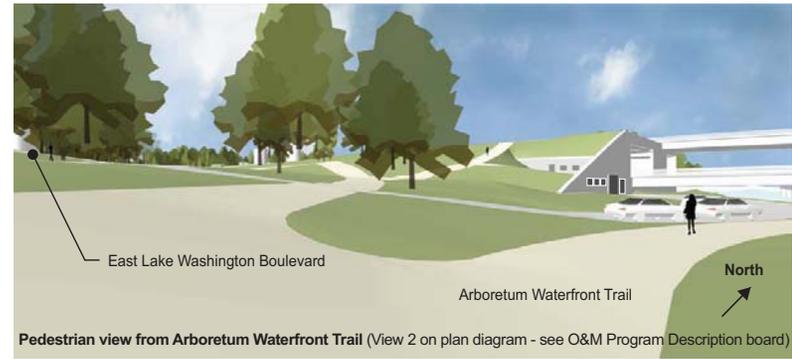
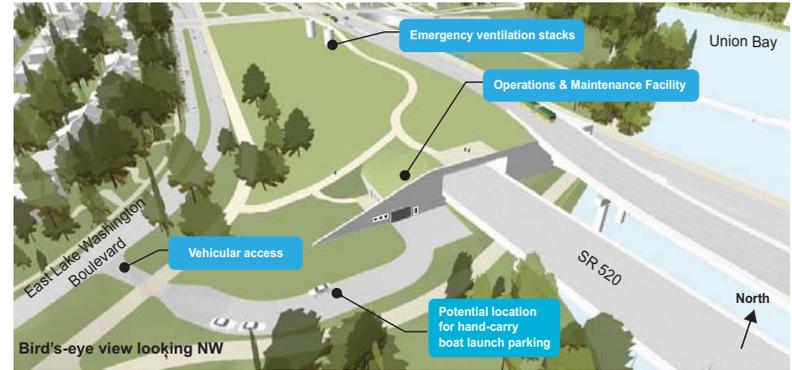


O&M Facility Precedent - On Top of Lid

View of Operations & Maintenance Facility for the 3,400'-long Mount Baker tunnel and lid. The facility is located on top of the tunnel lid within Sam Smith Park.



Site 2: SE corner of tunnel lid



O&M Facility Precedent - Under Lid

View of Operations & Maintenance Facility for the 2,600'-long I-90 Mercer Island lid with vent stacks shown in background. The Montlake Lid facilities will be smaller due to the shorter 1,400' lid length.

