

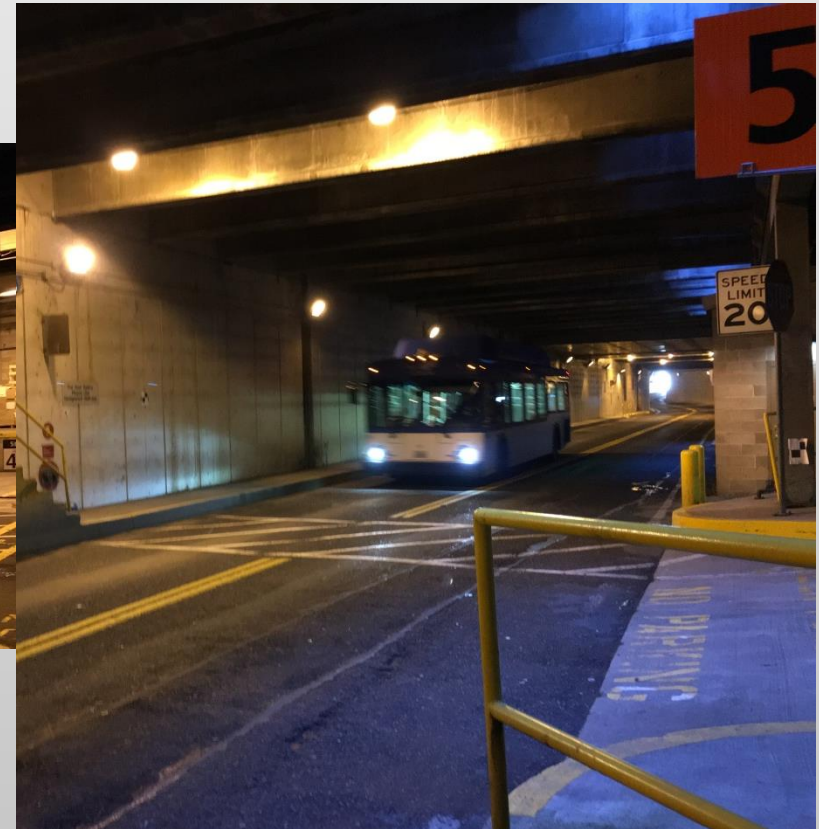
Item No.	6b_attach
Date of Meeting	March 28, 2017

Service Tunnel Renewal/ Replacement

Seismic Upgrades
CIP 102112

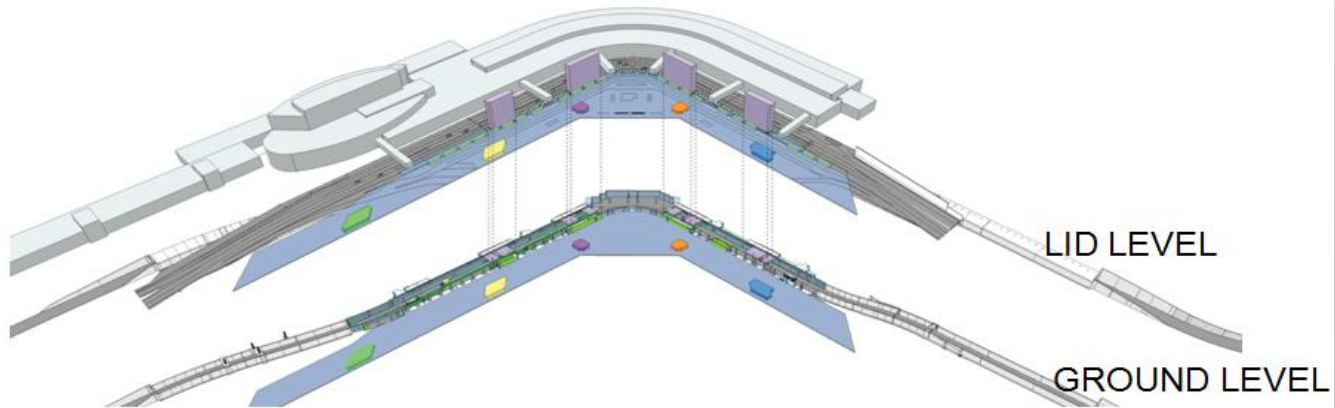


Service Tunnel Renewal/ Replacement



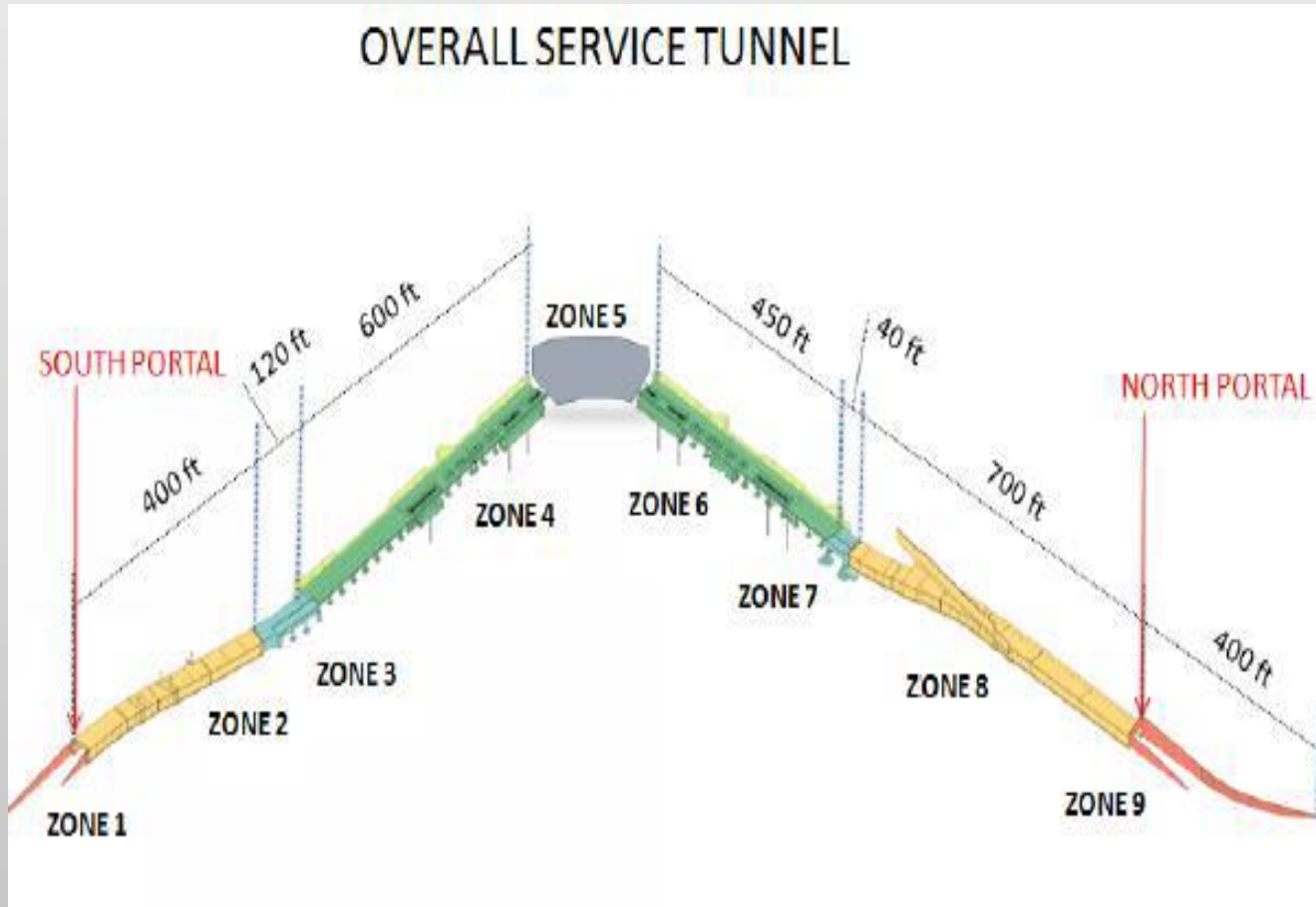
Tunnel Views

Service Tunnel Renewal/ Replacement



Project Location

Service Tunnel Renewal/ Replacement



Project Phasing

Service Tunnel Renewal/ Replacement

- Original work scope included the tunnel but not the Central Loading Dock area (zone 5 on map)
- Seismic modeling exposed issues in the previously retrofit loading dock area
- Adding this area will bring the entire tunnel up to current seismic code

Scope of Work

Service Tunnel Renewal/ Replacement

- Costs have risen:
 - Original authorization \$27.9M
 - Central Loading Dock \$ 3.2M
 - Cost escalation and
 impact mitigation \$ 2.4M
- Revised Total Cost \$33.5M

Project Budget

Service Tunnel Renewal/ Replacement



Loading Dock Area