



# Merrimac and Slate Hill Tunnels



## Needed Improvements

- ✓ Safe emergency egress
- ✓ Firefighting (smoke control and updated fire life safety systems)
- ✓ Meet codes and standards

## Why are these improvements needed?

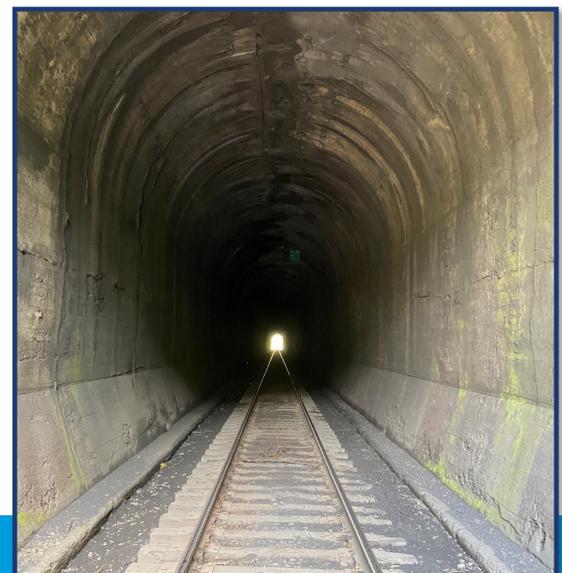
- Evacuation pathway needed in both tunnels
- Add fire safety and water support to the facility building
- Emergency system upgrades
- Ventilation systems required to provide sufficient evacuation time of a full passenger train during emergency event
- Fire protection system for firefighter connection to the water system
- Upgraded communications systems for addressing emergencies

## Existing Conditions



### Merrimac Tunnel

- 5,175 feet long
- Concrete-lined
- Built in 1908 to haul coal
- Not up to code for passenger rail



### Slate Hill Tunnel

- 861 feet long
- Concrete-lined
- Built in 1908 to haul coal
- Not up to code for passenger rail