

Why we're here

 Escalator performance at UW Station has not met customer or agency expectations

Customers have repeatedly experienced major disruptions

We have a plan to fix the problem

Why we're here **Maintenance cost Frequency of outages** per unit 3.6x 4.5x **Capitol Hill Capitol Hill** UW UW

What we've done

 Studied options for maintaining or modernizing current escalators vs. replacing all units

Conducted Total Cost of Ownership (TCO) analysis

Developed preliminary replacement timelines

Why replacement?

- Less expensive to replace now than maintain current units through expected end of useful life (2025)
- Better reliability for customers years sooner

What we're doing

- 1. Execute emergency stair protocol
- 2. Complete repairs recommended by consultant
- 3. Transfer UW maintenance to manufacturer
- 4. Convert back stairs for full-time use
- 5. Connect sub-mezzanines
- 6. Replace two down escalators with stairs
- 7. Replace the other 11 escalators

Complete

Done

Q4 2018

Q4 2018

Q1 2019

2019

2019-2022

2019-2022







Problem:

Airport & ngie Lake Station
Capital HII Station

Public stairs available from mezzanines to surface, but platform access depends on escalators/elevators

Solution:

Convert stairs to all levels for permanent public use (2019)







Downtown Seattle transit tunnel

- Taking ownership from King County Metro in 2020
- Unknown scope of maintenance needs
- Inheriting 36 escalators and 22 elevators





Bottom line

- UW & Capitol Hill will have public stairs by early 2019.
- U District Station will have public stairs upon opening.
- We will replace all UW Station escalators.
- Staff will return to the Board to authorize funds in 2019.
- UW replacement begins in 2019, complete in 2022

Message to our riders

- We apologize.
- We have learned valuable design & procurement lessons.
- We have a plan.
- Any station with escalators will also include stairs.
- We will only install heavy duty escalators.
- Future elevated or tunnel stations will have redundant access.

