

Vertical Conveyances

Program Update

4/1/2021



Why we are here

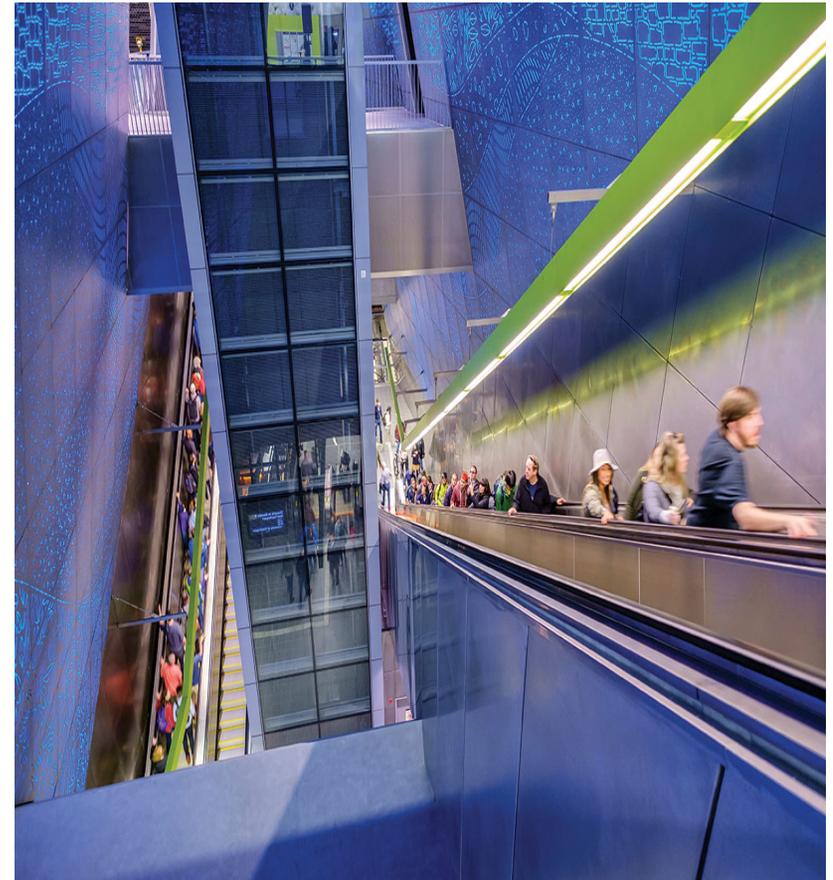
- Provide a high level update on our elevator and escalator program
- Seeking Board approval to increase spending authority on the existing Downtown Tunnel General Engineering On-Call Contract

Agenda

- **Overall Program Update**
 - UWS pre-engineering completion
 - ADA study
 - Technology monitoring efforts
 - Passenger communication enhancements
- **Downtown Tunnel Elevator and Escalator Status**
 - Handoff from KCM
 - Replacement design update
- **GEC Motion**

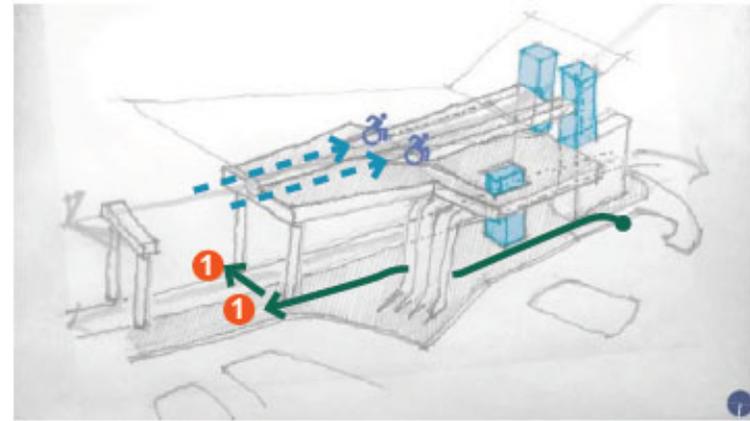
UWS Status

- ***Completed additional egress options***
- ***Stabilized escalator performance***
- ***Future efforts have been transferred to ST Operations***

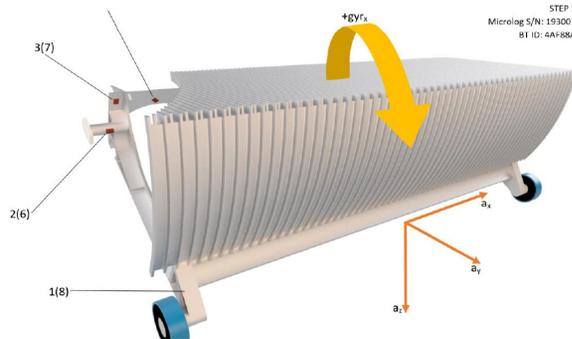
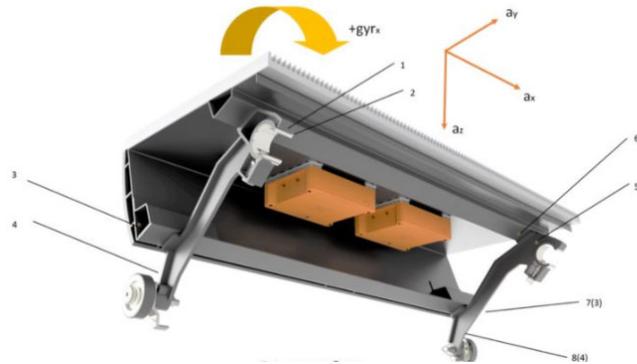
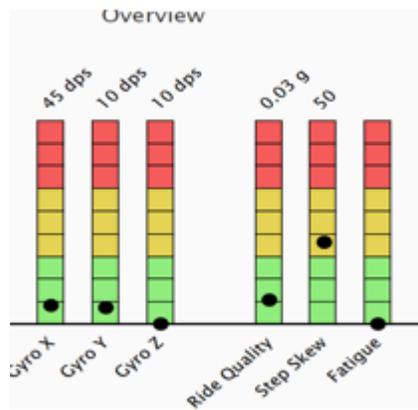


ADA Redundancy Study

- *Identify alternate options in the event of out of service equipment*
- *Provide overall accessibility recommendations*

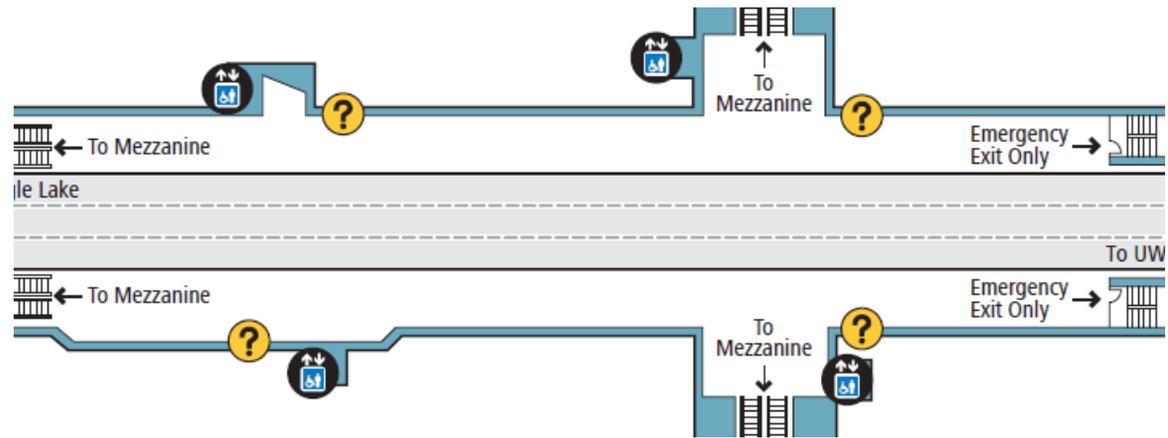


Improving Monitoring Technology



- Moved to Phase 2 of SmartStep Program

Communications Improvements



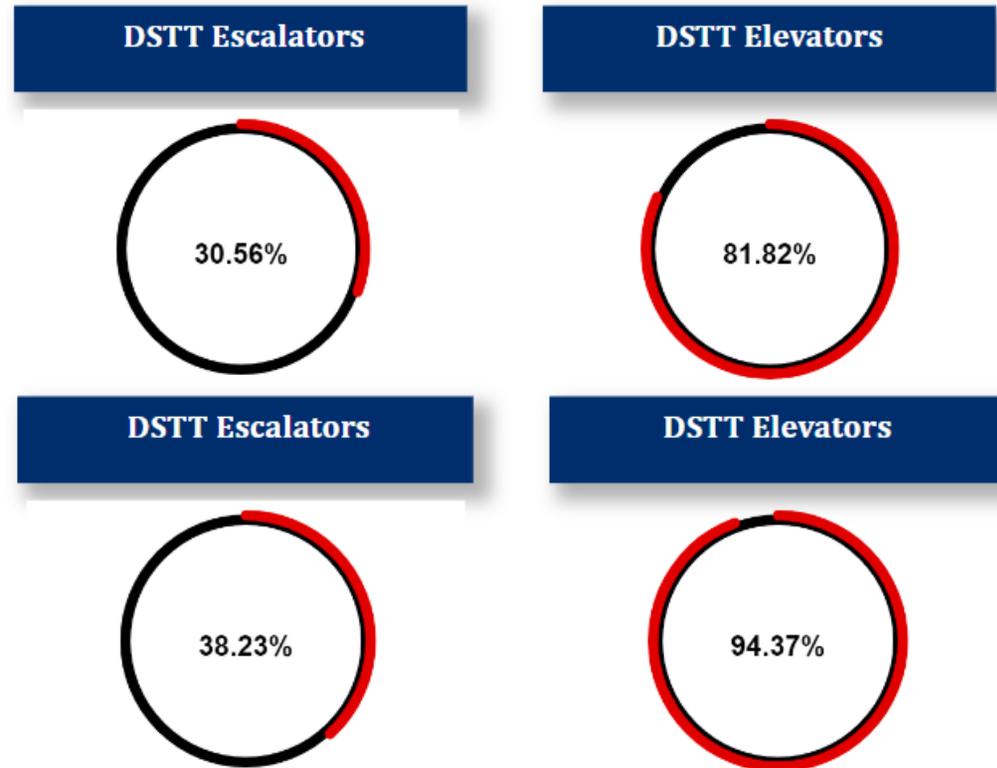
- **Enhancing Passenger Communication with Station Diagrams**

Downtown Tunnel Elevator/Escalator Update

- ***Management transfer from KCM completed on January 1, 2021***
- ***Assumed 58 total pieces of equipment of which 28 units were inoperable upon transfer***
- ***The previous KCM vendor is no longer performing maintenance in these 4 stations***

Downtown Tunnel Elevator/Escalator Update

- **Availability as of January 1, 2021**
– **28 inoperable units**



- **March 31, 2021 Availability**
– **22 inoperable units**

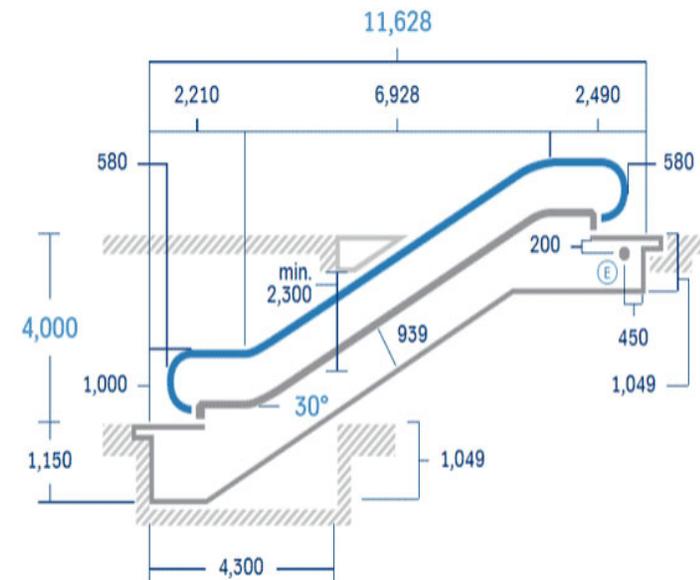
Downtown Tunnel Elevator/Escalator Update



- ***Increased the number of repair crews from 2 to 3***
- ***2 maintenance staff dedicated to the 58 tunnel units***
- ***Estimate 1/3 of the assessed repairs to be completed in 2021***

Downtown Tunnel Elevator/Escalator Update

- *Full replacement design has been 30% completed at IDS*
- *Will begin design for Pioneer Square and University Street in Q3 2021*
- *Anticipate multiple units ready for procurement in Q1 2022*



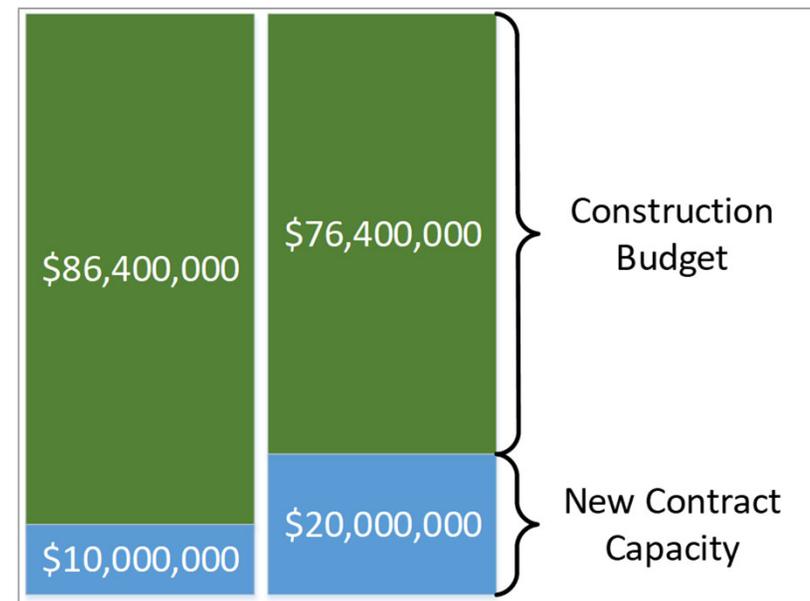
***Downtown Tunnel
GEC On-Call Contract
Motion to Increase Spending Authority***

4/1/2021



Downtown Tunnel GEC On-Call Contract

- **Requesting an increase of \$10M to the contract capacity (for a contract total of \$20M)**
- **Not a request for additional funds. The DSTT Program has a \$96.4M Board approved lifetime budget**
- **This increase will last through the life of the contract based on current plans**



Downtown Tunnel GEC On-Call Contract

- *GEC Contract was approved by REO Committee and executed in Nov 2019 (\$10M)*
- *More focus than anticipated on assessing condition of 30 year old facility (many unknowns)*
- *The DSTT GEC is providing final design services for vertical conveyances replacement in the DSTT (using \$5M of contract capacity)*



Downtown Tunnel GEC On-Call Contract

- ***Continue assessing conditions of facility systems***
- ***Two co-located consultants assist in program development and provide consistency in execution and management of task orders***
- ***Preserving continuity with current GEC is vital in maintaining our level of achievement and current momentum***



Thank you.



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