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.