

***Vertical Conveyance
International District Station
Modernization Contract***

Rider Experience and Operations Committee

09/07/23



Why we are here

- A motion to recommend approval for the award of a elevator/escalator modernization contract for International District Station
- This action will recommend the award of a \$14,003,612 contract with Schindler Elevator Company
- This contract award will not result in an increase to the 2023 Operations budget

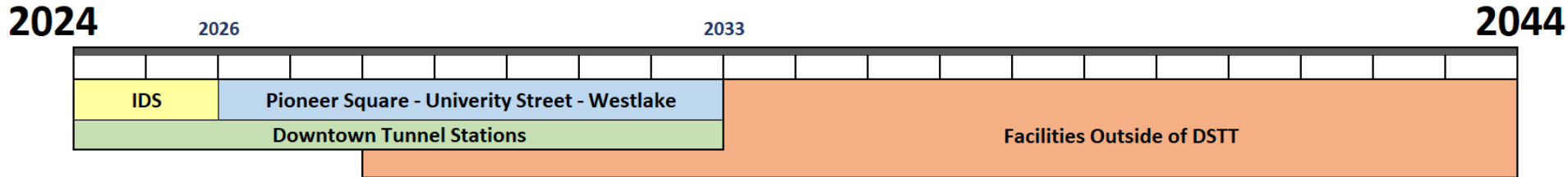
Background

- Sound Transit currently manages 198 elevator/escalator assets
- The 58 Downtown Seattle Tunnel vertical conveyance assets are currently 35 years old
- International District Station has a total of 8 elevator and escalator assets
- On Jan 1st 2021 ST commenced our dual strategy of repair and modernization/design of all tunnel station elevator/escalator assets

20 Year Estimated Program Budget and Timeline

- Downtown Tunnel - 58 Elevators and Escalators \$119M
- Facilities Outside of the Downtown Tunnel \$371M

- Total Estimated Elevators and Escalators Modernized Through 2044 - **179 of 575 Total Assets** \$490M

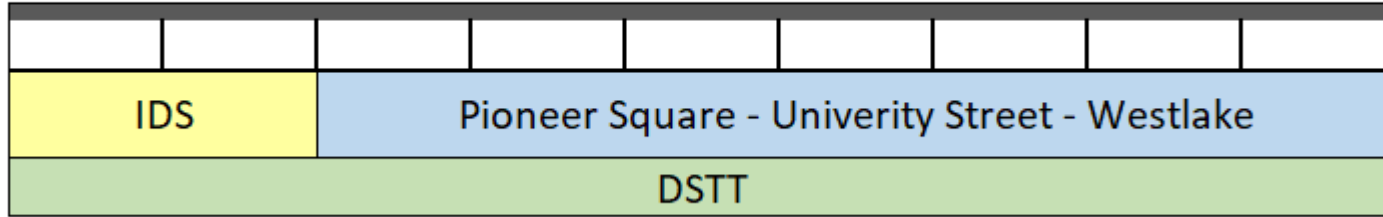


DSTT Estimated Budget and Timeline

2024

2026

2033

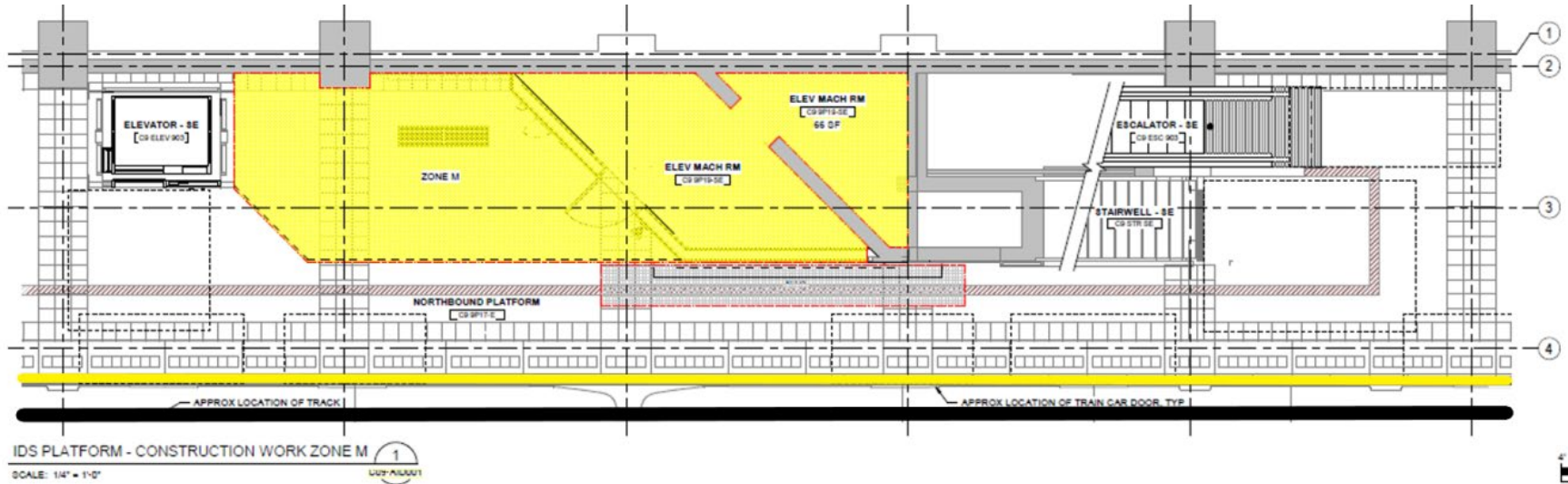


- 58 Elevators and Escalators
- Estimated modernization cost of \$119M

Total Assets	
International District Station	8
Pioneer Square Station	14
University Street Station	13
Westlake Station	23

***IDS Modernization Construction
Phasing and Prioritization***

Previous Modernization Strategy



- Used current specification criteria as our guideline
- Created consistency across the entire portfolio
- Time and budget intensive
- Anticipated passenger and service impacts

Strategy Pivot Discussion Findings

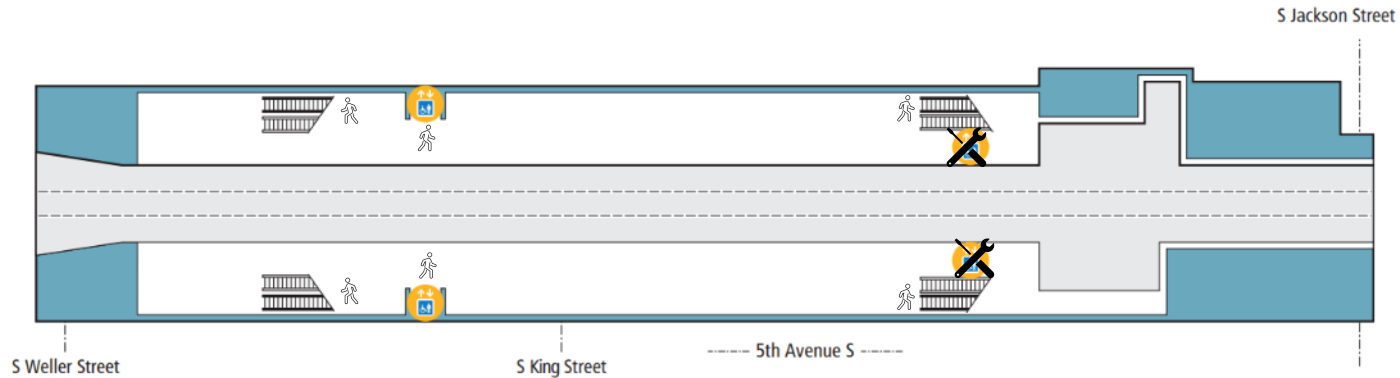
- Conducted meetings with local manufacturers and peer agencies
- Still maintain more robust components
- Removing structural elements of construction
- Limited risk of service impacts at this time



Passenger Focused Modernization

Elevators are First Priority / Starting with Both North End Elevators

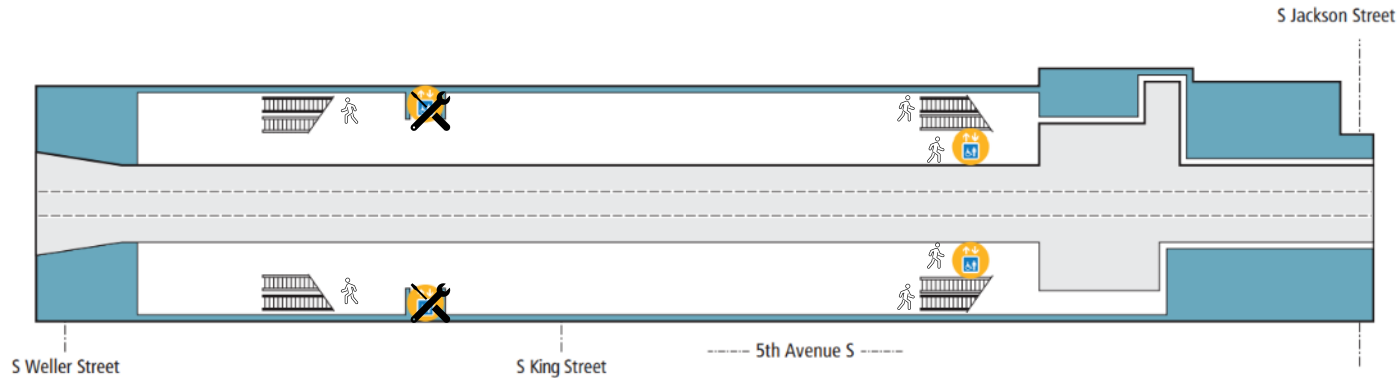
Int'l District/
Chinatown Station: Platform



Passenger Focused Modernization

South End Elevators to be Modernized Upon North End Elevators Returning to Service

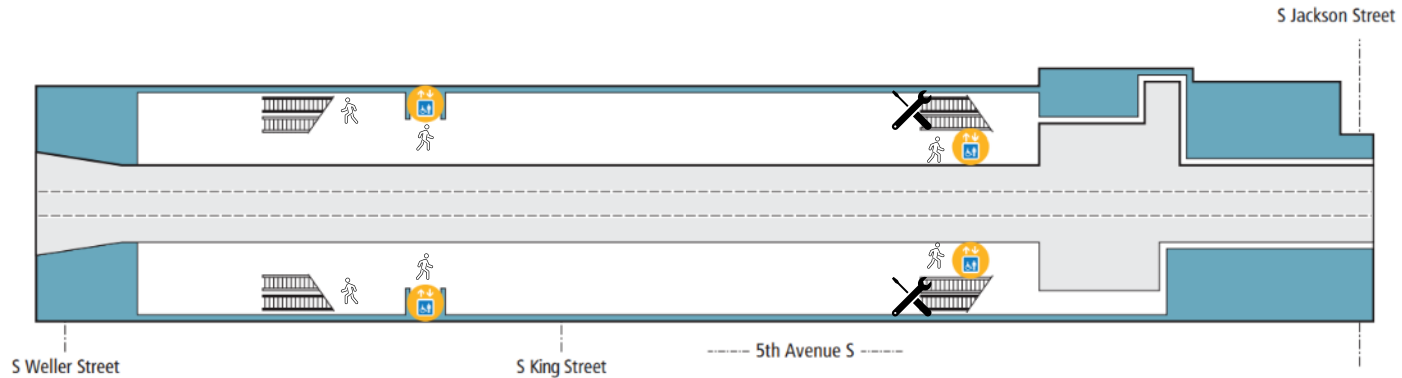
Int'l District/
Chinatown Station: Platform



Passenger Focused Modernization

North End Escalator Work to Begin Upon South End Elevators Returning to Service

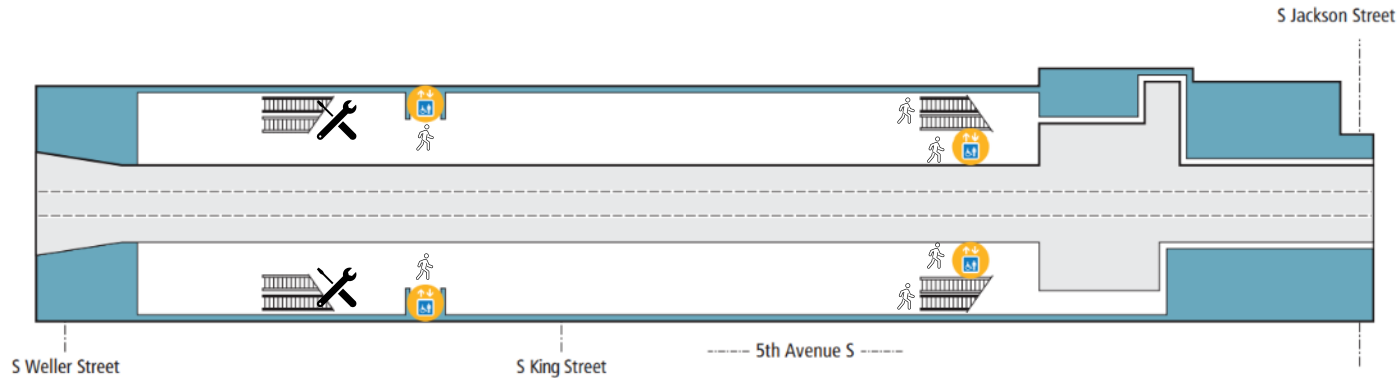
Int'l District/
Chinatown Station: Platform



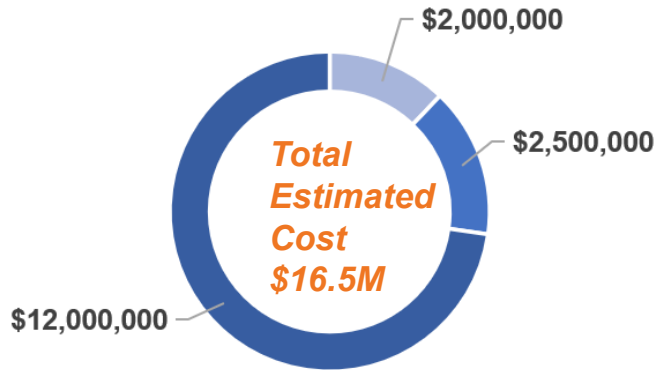
Passenger Focused Modernization

South End Escalator Work to Begin Upon North End Escalators Returning to Service

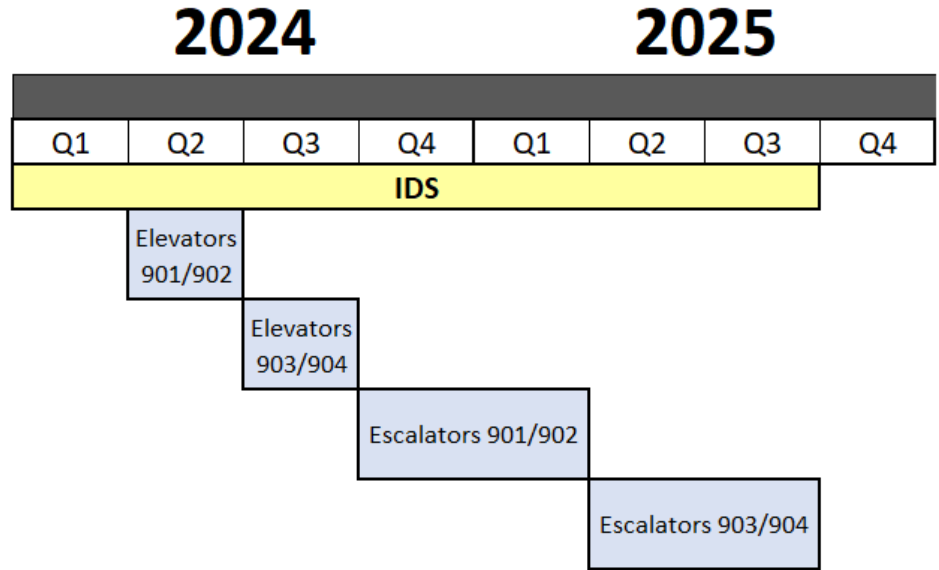
Int'l District/
Chinatown Station: Platform



IDS Estimated Budget and Timeline



- Administration and Engineering Project Support
- 5 Year Warranty Maintenance
- Modernization Effort



Modernization Program Forecast

- Westlake, Pioneer Square and University Street procurement
- Begin to address vertical conveyance assets outside of the downtown tunnel



Repair effort performance increases

**Westlake, University Street, Pioneer Square,
International District Stations**

- *Increased elevator availability from 81.8% to 94% overall*
- *Increased escalator availability from 30.1% to 92% overall*
- *Inoperable units on January 1st 2021 – 28 of 58*
- *Current long term inoperable units – 1*

Thank you.



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