Vertical Conveyance
International District Station
Modernization Contract

Rider Experience and Operations Committee
09/07/23

SoundTransit
Why we are here

• A motion to recommend approval for the award of an 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

• 58 Elevators and Escalators
• Estimated modernization cost of $119M

Total Assets

<table>
<thead>
<tr>
<th>Station</th>
<th>Asset Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>International District Station</td>
<td>8</td>
</tr>
<tr>
<td>Pioneer Square Station</td>
<td>14</td>
</tr>
<tr>
<td>University Street Station</td>
<td>13</td>
</tr>
<tr>
<td>Westlake Station</td>
<td>23</td>
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</tbody>
</table>
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
**Passenger Focused Modernization**

*South End Elevators to be Modernized Upon North End Elevators Returning to Service*
Passenger Focused Modernization
North End Escalator Work to Begin Upon South End Elevators Returning to Service
Passenger Focused Modernization
South End Escalator Work to Begin Upon North End Escalators Returning to Service
**IDS Estimated Budget and Timeline**

**Total Estimated Cost**: $16.5M

- **$12,000,000**
- **$2,000,000**
- **$2,500,000**

**2024**
- Q1
- Q2
- Q3
- Q4

**2025**
- Q1
- Q2
- Q3
- Q4

- **IDS**
  - Elevators 901/902
  - Elevators 903/904
  - Escalators 901/902
  - Escalators 903/904

- 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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