Northgate Ped/Bike Bridge

Seattle Pedestrian Advisory Board
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June 14, 2017
Our mission, vision, and core values

**Mission:** deliver a high-quality transportation system for Seattle

**Vision:** connected people, places, and products

Committed to **5 core values** to create a city that is:

- Safe
- Interconnected
- Affordable
- Vibrant
- Innovative

For **all**
Presentation overview

• Project goals
• Background, progress & status
• Updated design overview
• Other walking/biking investments in Northgate
• Next steps
• Feedback/Q&A
Project goals

- Connect services and opportunities on the east and west sides of I-5

- Add a new, accessible walking/biking route in Northgate that connects to the citywide network

- Provide better access to regional transit, including the existing transit center and future Link light rail station
Project area
Background, progress & status

- 2006: Northgate Coordinated Transportation Investment Plan
- 2012: King County feasibility study
- 2014: Early planning and design
  - 3 bridge alternatives
  - Public meeting
- 2015: 30% design
  - Public meeting
- 2016: Project put on hold
  - Independent cost validation
  - Formed new project team
- 2017: New 30% design
Previous design
## Other cost-saving changes

<table>
<thead>
<tr>
<th>Original Design</th>
<th>Revised Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-foot-wide walkway on bridge</td>
<td>16-foot-wide walkway on bridge</td>
</tr>
<tr>
<td>East approach conflicted with WSDOT Park-and-Ride at 1st Ave NE</td>
<td>East approach modified as it touches down near 1st Ave NE, simplifying the connection and preserving the WSDOT Park-and-Ride lot</td>
</tr>
<tr>
<td>West approach included stairs at the North Seattle College, with limited sight distance</td>
<td>West approach modified to improve sight distances and make a more direct connection</td>
</tr>
<tr>
<td>Complicated construction approach</td>
<td>Standard construction approach to reduce project duration</td>
</tr>
<tr>
<td>Tube/truss design (enclosed)</td>
<td>More open structure and more graceful bridge transition</td>
</tr>
</tbody>
</table>
A more direct connection

- **Length of bridge:** Reduced from 2100 to 1580 feet
- **East approach** reconfigured to provide safer ped/bike experience
- **Bridge slope:** ramps changed from 4.8% to 8.3% slope.
  - Meets ADA requirements
  - 5-ft landings every 30 feet
Bridge slope
Revised bridge design
Paving and transitions

- Paving as key intuitive wayfinding element of the main trail
- Variations in paving used to communicate mixing areas and transitions

A Main Trail - Lightly Broomed Concrete
B Mixing Zone - Concrete Pavers
C Rumble Strips - Embedded Striping
D Outlook - Pigmented Concrete
E Spur Bridge - Pigmented Concrete
Open truss design
Campus connection (west approach)
I-5 gateway
NE 100th St overlook
Animation
Pedestrian Projects

1. Northgate Pedestrian & Bicycle Bridge
2. 1st Ave NE multi-use path (NE 92nd St to Northgate Way)
3. Improved sidewalks (Station to 5th Ave NE)
4. Protected Bike Lane NE 92nd St (Wallingford Ave N to 1st Ave NE)
5. Crossing improvements (N Northgate Way and Corliss Ave N)
6. Streetscape & bike improvements (1st Ave NE to 5th Ave NE)
7. New sidewalk NE 95th St (1st Ave NE to 5th Ave NE)
8. New sidewalk NE 98th St (5th Ave NE to 8th Ave NE)
9. Crossing improvements (5th Ave NE and NE 95th St)
10. North Seattle Greenway (Crown Hill to Northgate Pedestrian & Bicycle Bridge)
## Next steps: Northgate Bridge

<table>
<thead>
<tr>
<th>Time frame</th>
<th>Activity/action</th>
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</thead>
<tbody>
<tr>
<td>Summer 2017</td>
<td>Share revised design</td>
</tr>
<tr>
<td></td>
<td>• Community briefings</td>
</tr>
<tr>
<td></td>
<td>• Public events</td>
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<tr>
<td></td>
<td>• Agency coordination</td>
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<tr>
<td>Fall 2017</td>
<td>Federal and state environmental review and outreach process</td>
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<tr>
<td>Late 2017/early 2018</td>
<td>Design update and outreach</td>
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<tr>
<td>Summer 2018</td>
<td>Design complete</td>
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<tr>
<td>2019</td>
<td>Construction begins</td>
</tr>
<tr>
<td>2020</td>
<td>Bridge opens before light rail station</td>
</tr>
<tr>
<td>2021</td>
<td>Link light rail station opens</td>
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Questions?

Project Team
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www.seattle.gov/transportation/northgatepedbridge.htm

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