Northgate Pedestrian and Bicycle Bridge

Open House
June 3, 2014
SDOT’s mission & vision

Mission: delivering a first-rate transportation system for Seattle.

Vision: a vibrant Seattle with connected people, places, and products.
SDOT’s values

- Keep it safe
- Provide great service
- Support a thriving economy
- Focus on the basics
- Build healthy communities
Project Need

• I-5 is a barrier separating the communities on the east and west sides.
• The project will create improved connections to major transit investments, education facilities, retail centers and reconnect the community.
Project Benefits

• The project benefits Northgate neighborhoods, businesses and schools by:
  – Increasing ridership at the Transit Center and future Light Rail Station.
  – Creating an easier connection for students to and from North Seattle College by shortening the walk distance from the Transit Center by almost a mile.
  – Providing important access for bicyclists and pedestrians to other improvements coming to the Northgate area.
Northgate Pedestrian and Bicycle Bridge Project Overview

• Currently in early design and environmental review
• Overall length is estimated at 1800 to 2200 feet depending on the chosen alternative
• Exact location and access points to the bridge are being developed
## Project Timeline

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<th>EARLY DESIGN</th>
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Screening Criteria: Alignment Options

### Bridge & Approach Geometry
- Span Lengths
- Approach Lengths
- WSDOT Sign Bridge Visibility

### Connectivity
- Pedestrian Access
- Bicycle Network Integration

### Cost
- Construction
- Right of Way
- Maintenance
- Corridor Improvements

### Constructability
- Impact to Traffic
- Impact to Property
- Construction Staging
- Construction Duration

### Design Opportunities
- User Experience
- Neighborhood Context
- Interstate Context
- Bridge and Trail Aesthetics

### Environmental Impacts
- Wetland Area
- Footprint of the Structure

### Safety
- Lighting
- Visibility
- Egress
- Multi-modal interaction
Design Feedback from YOU today:

ALIGNMENT + SPAN DESIGN

— SDOT
Seattle Department of Transportation
North Seattle College

14,000 STUDENTS AND OVER 400 STAFF
Existing Northgate Transit Center

Currently 6,000 Riders / Day
Future Northgate Sound Transit Station

15,000 PASSENGERS PER DAY PROJECTED
Existing Connections

1.2 MILES
Existing East Walking Connections

Northgate Way at I-5 overpass

Northgate Way at 1st Ave NE
Existing West Walking Connections

92nd Street Overpass

Northgate Way at I-5 Overpass
Bridge Access Points
Bridge Alignment Options

¼ MILE!
Proposed Bike Infrastructure

100th St Primary Bicycle Connection

1st Avenue Bike Lane

100th St Primary Bicycle Connection
Expanded walk and bike sheds
Bridge Components

- PRIMARY SPAN
  +17.5’ clear height beneath

- WEST APPROACH
  +35’ elevation gain

- EAST APPROACH
  +45’ elevation gain

- CONNECTION TO SOUND TRANSIT STATION
  @ ~20’ above grade
Bridge Components: **Pathway Elements**

15’ – 20’ WIDE
Bridge Components: **West Approach**

**AT-GRADE APPROACH**

**ELEVATED APPROACH**

**WEST APPROACH**
Bridge Components: East Approach

AT-GRADE APPROACH

ELEVATED APPROACH

EAST APPROACH
Bridge Components: East Approach

STAIRS

ELEVATOR

EAST APPROACH
Bridge Components: Primary Span

- Cable Stay
- Tied Arch
- Tube / Truss

Primary Span
Primary Span Types: **Cable Stay**
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Preliminary Design Concept: **Cable Stay**
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**VIEW FROM NORTHEAST**
Preliminary Design Concept: **Cable Stay**

**VIEW FROM NE 100TH ST AND 1ST AVE N.**
Primary Span Types: **Tied Arch**
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VIEW FROM WITHIN WEST APPROACH
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Project Funding & TIGER Grant

• Funding is provided by $5 million contributions from SDOT and Sound Transit. An additional $15 million is required fully fund the project.

• SDOT is seeking additional funding through a Federal TIGER Grant application.
  – The TIGER Grant application is available on our website.
Outreach Activities

• Held community briefings throughout the spring
• Open House – tonight!
• Another round of briefings will be held once a final recommendation is made in the fall
Next Steps

• Keep in touch!
• Join our email list – sign up at welcome table
• Check out our website:  
  [www.seattle.gov/transportation/northgatepedbridge.htm](http://www.seattle.gov/transportation/northgatepedbridge.htm)
Questions?
Thanks!

http://www.seattle.gov/transportation
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