



N 148th Street Non-Motorized Bridge

A ped/bike bridge connecting people to neighborhoods and regional transit

ONLINE OPEN HOUSE

MENU

Welcome to the online open house for the N 148th Street Non-Motorized Bridge!

JOIN US FOR A WEBINAR

This live online presentation will take place on:

Thursday, April 23, 2020 12:00-1:00 p.m.

Click **here** to register.

Shoreline is growing and changing. With the coming arrival of Sound Transit light rail, the new Shoreline South/145th Station for light rail and bus transit, and new development, residents need new ways to connect to these growing services and facilities and to an expanding pedestrian and bike network.

To meet these needs, the City of Shoreline will build a new pedestrian and bike bridge crossing over Interstate 5 (I-5) at N 148th Street. The N 148th Street Non-Motorized Bridge will improve safety for everyone and reduce travel times for people walking and biking between the east and west sides of I-5 in Shoreline.

The purpose of this online open house is to provide a chance for you to:

- Learn more about this project.
- Share what's important to you and give feedback on the key parts of this project.

How to use this online open house

- To advance through this open house, scroll down to read each page, then click the "Next Page" button at the bottom of the page, or select the tab you want at the top.
- Within this online open house, you will be asked questions and can provide feedback. The online open house and questionnaire will take only a few minutes to complete.

Thank you for your participation!

Stay Connected
Sign up for updates and engagement opportunities about this project and others in the N 145th Street Corridor.
First Name
Last Name
Email *
*Email is Required
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your contact information to clk@shorelinewa.gov or call 206-801-2700.

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contacto a clk@shorelinewa.gov o llame al 206-801-2700.
如果您想與 City of Shoreline 進行交流或檢視以另一種語言提供的文件,請將您的請求連同您的聯絡資訊發送到

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206-801-2700번으로 전화해 주십시오.

쇼어라인 시에 연락하고 싶거나 다른 언어로 된 문서를 검토하려면 연락처 정보와 함께 요청서를 clk@shorelinewa.gov 로 제출하거나

địa chỉ clk@shorelinewa.gov hoặc gọi 206-801-2700.

Kung gusto mong makipag-usap sa Lungsod ng Shoreline o suriin ang isang dokumento sa ibang wika, pakipadala ang iyong kahilingan

Nếu quý vị muốn liên hệ với Thành phố Shoreline hoặc đọc tài liệu bằng ngôn ngữ khác, vui lòng gửi yêu cầu cùng với thông tin liên hệ tới

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kasama ng iyong impormasyon sa pakikipag-ugnayan sa clk@shorelinewa.gov o tumawag sa 206-801-2700.

clk@shorelinewa.gov ስዶዱ ወይ ድማ ብቹጽሪ 206-801-2700 ደ**ዉሉ** ።

CONTACT US:

Lea Bonebrake, P.E., City of Shoreline, Project Manager | Ibonebrake@shorelinewa.gov | 206-801-2475

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Project Overview

Need and Benefits

The N 148th Street Non-Motorized Bridge will address several community needs, both current and future, and provide many benefits, including:

TRANSPORTATION OPTIONS FOR A CHANGING NEIGHBORHOOD. In 2016, the City developed the

145th Street Station Subarea Plan to address future land use and transportation needs near the new light rail and transit station. As the area changes, the bridge will help serve residents, business owners, retail customers, and commuters. The bridge is part of the City of Shoreline's greater planning efforts for the N 145th Street corridor and new Sound Transit light rail station. You can learn more about other related projects in the area by visiting the **Destination 2024 website**. LINK LIGHT RAIL ACCESS. By 2024, the Shoreline South/145th Station will open, bringing light rail and

increased bus rapid transit service to Shoreline. Of Shoreline residents who work, more than 80% travel outside of the city to reach their places of employment, with almost two-thirds commuting to Seattle. Traffic in the station area is projected to increase by more than 25%.

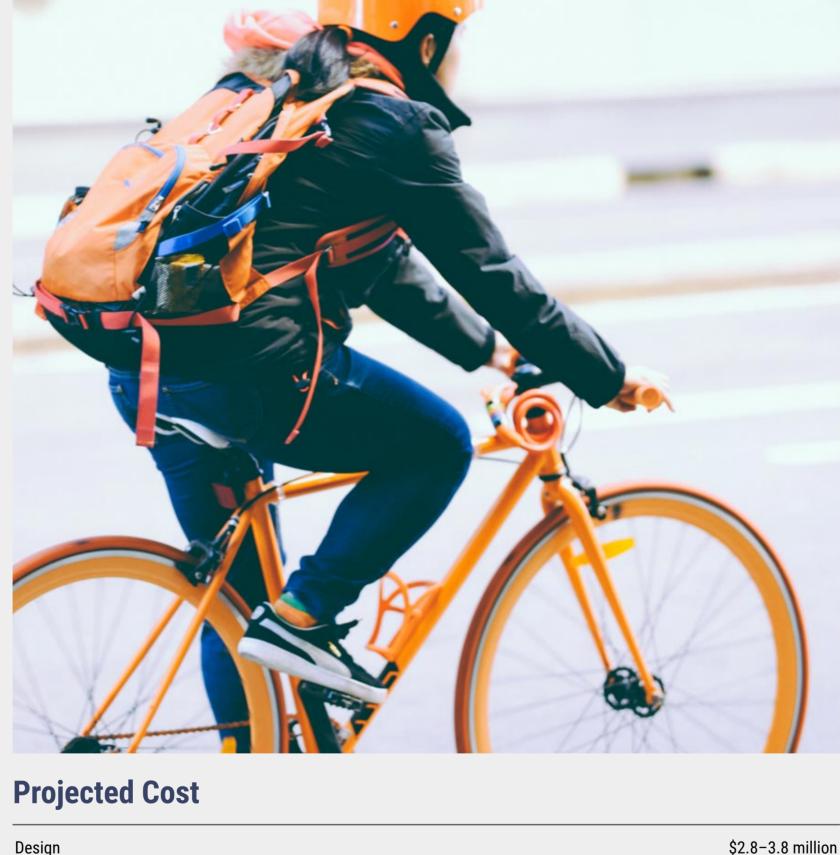
IMPROVED SAFETY AND REDUCED TRAVEL TIMES. Paths that are separated from the road and designate space for pedestrians and bicyclists increase safety and help reduce the risk of collisions with motor vehicles.

Shoreline is currently divided by a nine-lane interstate (I-5). A new bridge will make it easier to travel through Shoreline and decrease travel times by at least ten minutes for those walking and biking in the area. The new bridge will also improve bike routes to the Interurban Trail, the future Trail along the Rail, the existing Burke-Gilman Trail, and potential future regional bicycle networks.

Location

The new bridge will go across Interstate 5 (I-5) at N 148th Street. The project consists of three main parts: the



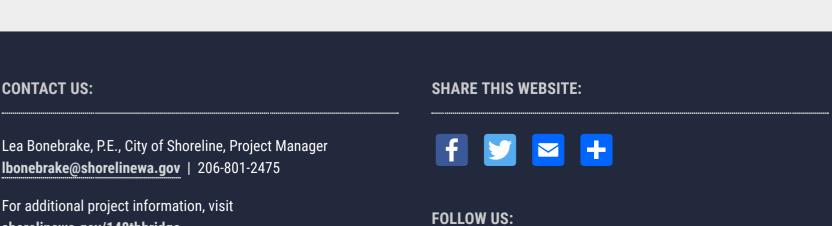


Design

Construction	\$18.1-24.9 million
TOTAL PROJECT COST	\$23–30.2 million

estimated at \$23-30.2 million (costs will be further refined during the design process), the City continues to actively seek funding to complete construction. **GO TO NEXT PAGE**





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Schedule

The design phase of the project started in 2019 and will continue through 2021. Community members will have an opportunity to provide input through both in-person and online open houses during design and environmental review throughout 2020. Construction is scheduled to begin in 2022 and to be complete in 2023 before the new light trail station opens.

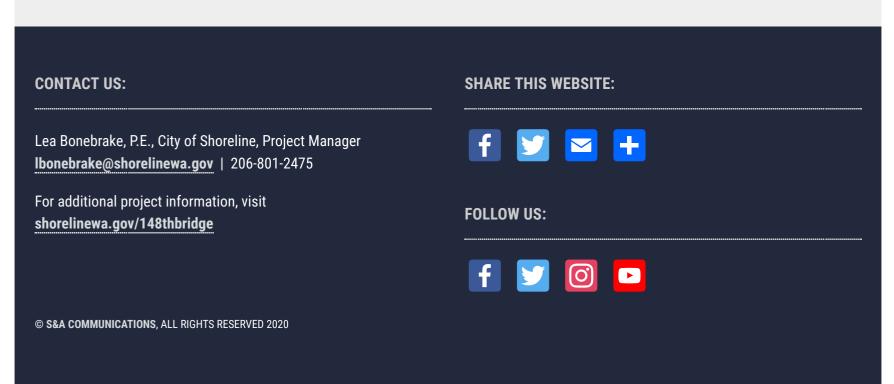
	Des	ign/Environmental Re [,] 2019–2021			
	Alternative Evaluation September 2019-	Preferred Alternative Selection	30% Design Completion Summer/Fall 2020		
Feasibility Study	June 2020 DECEMBER-MARCH	Summer 2020	Property owner briefings		
2017 Completed	Property owner	Property owner briefings	Possible community	2021-2022 2022-2023	Construction 2022-2023
	briefings	Community briefings and presentations			2022 2020
	and presentations Online				
		Online and in-person			
	APRIL	open house	in-person open house		
	Online open house, survey, and presentation				

Research and Planning

In 2016 and 2017, the City of Shoreline did a study to evaluate and recommend options for linking the communities on the west side of I-5 to the future Sound Transit Shoreline South/145th Station. City of Shoreline staff, Shoreline City Council, and consulting engineers evaluated five options. Public comment was provided at Shoreline City Council meetings.

The City estimated the location at N 148th Street would cost the least to construct, likely draw the most users, and of the routes possible, provide the shortest and most direct access to the Shoreline South/145th Station. The City also reviewed WSDOT and Sound Transit regulations in order to address safety needs around and across I-5. Shoreline City Council approved this location in February 2017.





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Bridge

side and the new Shoreline South/N 145th Station on the east. The bridge will be wide enough for pedestrians and bicyclists and built to comply with Americans with Disabilities Act (ADA) standards. All bridge options will be designed to the same safety standards and include pedestrian/bicycle railings, lighting, and screening (throw barrier) to protect drivers on the interstate below from falling objects.

The bridge will carry pedestrians and bicyclists across I-5 between the Parkwood neighborhood on the west

Option 1: Combined Arch Bridge



■ SIZE: The arches would have steel support pieces overhead and vertical support pieces that could be cable or steel.

connection to the trail on the west side of the bridge.

- SAFETY: The throw barrier would be attached to the inside of the vertical support pieces to prevent things from falling onto the interstate below.

attached supporting cables.

falling onto the interstate below.

Option 2: Tied Arch Bridge



options. ■ SAFETY: The throw barrier could be attached on either side of the cables to prevent things from

■ SIZE: The higher arch and slender cables would create more space and light than the other bridge

Option 3: Truss Bridge



- Are you on a shared or public computer? If you see someone else's survey responses,
- Share your thoughts on bridge design options:

□ Other *WRITE IN*:

■ Other *WRITE IN*:

Option 1: Combined Arch Bridge

Overall look and design

Overall look and design

Option 2: Tied Arch Bridge

Size

Size

click on the reset button to start your own survey.

What do you like about this option? SELECT ALL THAT APPLY.

What do you dislike about this option? SELECT ALL THAT APPLY.

What do you like about this option? SELECT ALL THAT APPLY.

What do you dislike about this option? SELECT ALL THAT APPLY.

- Size Overall look and design □ Other *WRITE IN*:
- Size Overall look and design □ Other *WRITE IN*:
- What do you like about this option? SELECT ALL THAT APPLY. Size

□ Other *WRITE IN*:

□ Other *WRITE IN*:

Option 3: Truss Bridge

What do you dislike about this option? SELECT ALL THAT APPLY. Size Overall look and design

Overall look and design

Summary

Which bridge option do you prefer?

Option 1: Combined Arch Bridge Option 2: Tied Arch Bridge Option 3: Truss Bridge

SUBMIT

Please make sure to click on the submit button before you leave the page.

Is there anything you think we should consider while evaluating these bridge options?

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Lea Bonebrake, P.E., City of Shoreline, Project Manager

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lbonebrake@shorelinewa.gov | 206-801-2475

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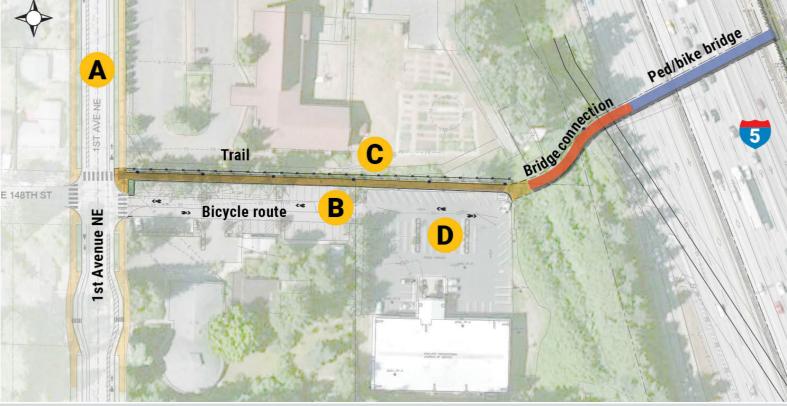
West Trail Connection

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The western ramp and approach to the bridge will be on the west side of I-5 in the Parkwood neighborhood. The project team is working with immediate neighborhoods, including three places of worship, to identify their priorities and ensure that the design and construction of the bridge will limit disruption. With all options, the City aims to preserve existing mature trees in the project area, wherever possible.

Option 1: Minimal Build-Out

OVERHEAD VIEW



KEY

- **BICYCLES:** Bicycles will share the parking lot with vehicles and then connect to the bridge.
- **TRAIL:** Trail will be an 8-foot-wide pedestrian sidewalk between 1st Avenue NE and the bridge and will include lighting.

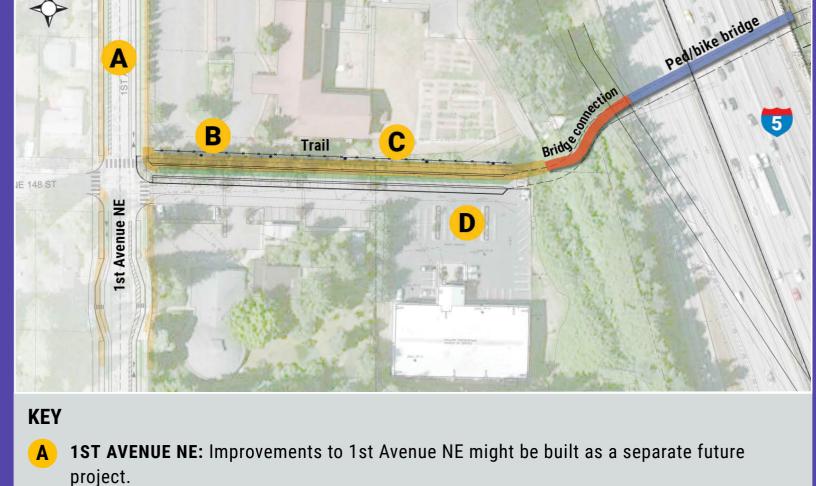
1ST AVENUE NE: Improvements to 1st Avenue NE might be built as a separate future

- **PARKING:** Parking in church lots will not change.
- **TYPICAL CROSS-SECTION**

Looking west towards 1st Avenue NE



OVERHEAD VIEW



C TRAIL: Pedestrians and bicycles will use a 16-foot shared path that connects to the bridge

TYPICAL CROSS-SECTION

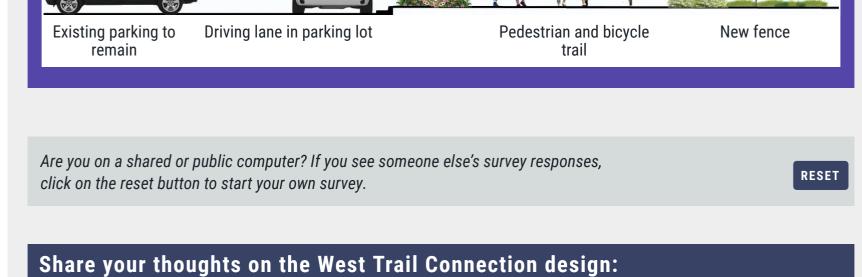
with a landscaping border and lighting between the path and church properties. This option means the City would have to access additional property from the adjacent churches.

PARKING: In order to create a wider trail, some parking spaces may be removed. The City

is looking at options for where to relocate parking on the west side of the bridge.

BICYCLES: Bicycles will share the trail with pedestrians.

Looking west towards 1st Avenue NE



Parking options Other WRITE IN:

What do you like about this option? SELECT ALL THAT APPLY.

What do you dislike about this option? SELECT ALL THAT APPLY.

Separation between bicyclists and pedestrians

Separation between bicyclists and pedestrians

Parking options □ Other *WRITE IN*:

Option 2: Full Build-Out

Option 1: Minimal Build-Out

Trail design

Trail design

What do you like about this option? SELECT ALL THAT APPLY. Trail design

Shared bicycle and pedestrian path

- Parking options □ Other *WRITE IN*:
- What do you dislike about this option? SELECT ALL THAT APPLY. □ Trail design ☐ Shared bicycle and pedestrian path

Parking options

□ Other *WRITE IN*:

Summary

Which West Trail Connection option do you prefer?

Option 1: Minimal Build-Out Option 2: Full Build-Out

Is there anything you think we should consider while evaluating these options for the West Trail Connection?

SUBMIT

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Lea Bonebrake, P.E., City of Shoreline, Project Manager lbonebrake@shorelinewa.gov | 206-801-2475 For additional project information, visit

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East Bridge Landing

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The East Bridge Landing, on the east side of I-5, will take travelers to the future South Shoreline/N 145th

Station where they can hop on Sound Transit light rail or buses or connect with the future Trail Along the Rail by foot or bicycle. The Sound Transit station will include bicycle parking. All design options will include: A bridge and ramp that will cross under the Sound Transit light rail tracks.

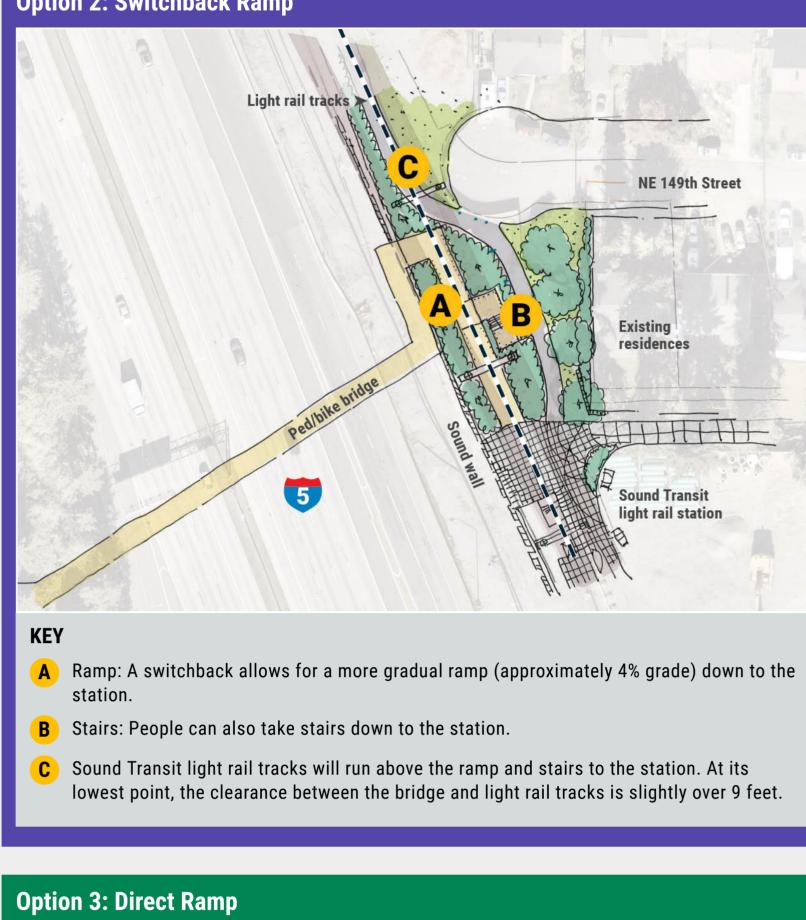
- Compliance with Americans with Disabilities Act (ADA) standards.
- A permanent noise wall below the bridge adjacent to the freeway.
- All outdoor pathways, ramps, and stairs around the station will have lighting.
- Sound Transit light rail parking garage will provide space for 500 vehicles.

Connections to the Trail Along the Rail.

- **Option 1: A-Frame Ramp**



- **Option 2: Switchback Ramp**



Light rail tracks



NE 149th Street

What do you dislike about this option? SELECT ALL THAT APPLY. Ramp layout Height clearance from Sound Transit tracks

What do you like about this option? SELECT ALL THAT APPLY.

Height clearance from Sound Transit tracks

Connection to light rail station

Connection to Trail Along the Rail

Pedestrian and bicycle pathways

Connection to light rail station

Connection to Trail Along the Rail

Pedestrian and bicycle pathways

Stair access to station

□ Other *WRITE IN*:

Option 2: Switchback Ramp

Stair access to station

□ Other *WRITE IN*:

Ramp layout

Ramp layout

Ramp layout

☐ Height clearance from Sound Transit tracks Connection to light rail station Connection to Trail Along the Rail

What do you like about this option? SELECT ALL THAT APPLY.

Other WRITE IN: What do you dislike about this option? SELECT ALL THAT APPLY.

Stair access to station

Pedestrian and bicycle pathways

Connection to light rail station Connection to Trail Along the Rail Pedestrian and bicycle pathways

Stair access to station

□ Other *WRITE IN*:

Ramp layout

Height clearance from Sound Transit tracks

Option 3: Direct Ramp What do you like about this option? SELECT ALL THAT APPLY.

Height clearance from Sound Transit tracks

No stair access to station □ Other *WRITE IN*:

Connection to light rail station

Connection to Trail Along the Rail

Pedestrian and bicycle pathways

What do you dislike about this option? SELECT ALL THAT APPLY. Ramp layout Height clearance from Sound Transit tracks

Connection to light rail station

Connection to Trail Along the Rail

Pedestrian and bicycle pathways

- No stair access to station □ Other *WRITE IN*:
- **Summary** Which East Bridge Landing option do you prefer? Option 1: A-Frame Ramp
- Option 3: Direct Ramp

Option 2: Switchback Ramp

SUBMIT

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Is there anything you think we should consider while evaluating these options for the East Bridge Landing?

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Lea Bonebrake, P.E., City of Shoreline, Project Manager **Ibonebrake@shorelinewa.gov** | 206-801-2475 For additional project information, visit shorelinewa.gov/148thbridge



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Give More Feedback

Public input will be essential to the design of the bridge and how the ramps or approaches will look, function, and integrate into the communities on both sides of I-5. Community members will have several opportunities to give feedback throughout the design process. We want to be sure that the bridge design and planning effort addresses your priorities, while also meeting the technical needs of the project.

click on the reset button to start your own survey.

Are you on a shared or public computer? If you see someone else's survey responses,

RESET

Your Feedback			
Po you plan to use the new N 148th Street Non-Motorized Bridge? Yes No I'm not sure yet If you do plan to use the bridge, what modes of travel do you plan to use? SELECT ALL THAT APPLY. Walking Bicycling Other recreational wheels such as scooters or skateboards Wheelchair or other assisted mode of travel Other WRITE IN: If you do plan to use the bridge, what will be the purpose of your travel? SELECT ALL THAT APPLY. To connect to light rail at the South Shoreline/N 145th Station To connect to buses at or near the South Shoreline/N 145th Station To access other neighborhoods on the west or east side of I-5		Please select the top three criteria that are most important to you for this project. YOUR FEEDBACK WILL HELP OUR PROJECT TEAM AS WE EVALUATE EACH DESIGN OPTION. Maintain safe environment for community Maintain existing parking options Minimize impacts to neighboring properties Manage project costs Minimize construction impacts Protect mature trees Improve pedestrian travel (e.g., sidewalks, crosswalks) Improve bicycle travel Shorten travel time to light rail station/transit center Visual design and overall look Limit city acquisition of private property	
To connect to biking or walkingOther WRITE IN:	trails		
Places tell us a little hit more	a shout vourself so that	vo can understand how inclusive our	
community outreach has been		ve can understand how inclusive our	
What is your ZIP code?	What is your age?	What is your race/ethnicity?	
98133	19 or younger	SELECT ALL THAT APPLY.	
O 98155	O 20-24	 African American or Black 	
O 98160	○ 25-34	American Indian or Alaska Nativa	
O 98177	○ 35-44	Native Asian or Pacific Islander	
Other WRITE IN:	45-5455-64	□ Biracial/multiracial	
	65 or olderI'd rather not say	 Hispanic, Spanish, or Latino Northern African/Middle Eastern White/Caucasian Optional self-identification WRITE IN: I'd rather not say 	
What is the primary language	What gondor do you idea	tify as? Do you have a disability? SELECT	
What is the primary language spoken in your home?	What gender do you ide	ALL THAT APPLY.	
O Amharic/Tigrinya	Male	□ Cognitive	
English	O Non-binary	Hearing	
Korean	Optional self-identific		
Mandarin/Cantonese Spanish	IN:	□ None	
SpanishTagalog	○ I'd rather not say	VisionOptional self-identification WRITE	
Vietnamese		IN:	
Other WRITE IN:		I'd rather not say	
What is your current housing	How did you learn about	this What is the best way to stay in	
situation?	project? SELECT ALL THAT	APPLY. touch with you about this project?	
Rent	☐ City of Shoreline ema		
O Own	□ News	EmailSocial media	
Stay with friends or family	□ Social media	Community meetings and open	
Without housingOther WRITE IN:	FriendMy employer	houses	
I'd rather not say	☐ An organization I'm in	□ Mail volved	
, , , , , , , , , , , , , , , , , , , ,	with	□ Other <i>WRITE IN</i> :	
	□ Other <i>WRITE IN:</i>		
	☐ I'd rather not say		
Is there anything else you would li	ke to share about the N 1481	n Non-Motorized Bridge Project?	
SUBMIT			
SUBMIT			

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What's Next?

How to Stay Involved

THANK YOU FOR VISITING THE ONLINE OPEN HOUSE AND GIVING FEEDBACK. Along with technical research and evaluations, your feedback will help the City design the bridge for the community. We will report back what we heard from the public through community meetings and online open houses throughout 2020.

LEARN MORE ABOUT THIS PROJECT on the **N 148th Street Non-Motorized Bridge website**.

Destination 2024

The N 148th Non-Motorized Bridge is one of eight Destination 2024 projects led by the City of Shoreline.

In preparation for two new Sound Transit light rail stations in Shoreline, we have been planning for changes that will come with these new facilities. The City Council has increased zoning densities around the two future stations (Shoreline South/145th and Shoreline North/185th) so that new housing and development can be focused around transit. To support future development, the City is also planning for transportation improvements to help get people to light rail and around the station areas.

Learn more about the other projects below or visit the **Destination 2024 website** and check out our new interactive map.

- 145th Corridor Project (I-5 to Aurora)
- 145th/I-5 Interchange Project
- 1st Avenue NE Sidewalks (145th to 155th Streets)
- **5th Avenue Rechannelization**
- **Off-Corridor Bike Network**
- SR 522/523 BRT Project (Bothell/Lake City Way and 145th Street Bus Rapid Transit)
- Trail Along the Rail

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