



N 148th STREET NON-MOTORIZED BRIDGE PROJECT

ONLINE OPEN HOUSE FINAL REPORT

APRIL 10-MAY 1, 2020

SUMMARY

As part of the N 148th Street Non-Motorized Bridge Project, the City of Shoreline hosted an online open house between April 10 and May 1, 2020, to share information and gather input on the design of the bridge and how it connects to the neighborhoods on the east and west sides of I-5.

When visiting the online open house, participants could:

- Learn more about the project need, benefits, and schedule.
- Review the options being considered for each design element and provide feedback on those options.
- Share how they plan to use the bridge and what criteria is most important to them.
- Share demographic information to help determine the effectiveness of the City's outreach.
- Sign up for email updates about this project and others in the N 145th Street corridor.

Promotions

The City used multiple methods to reach audiences and promote the online open house. A postcard advertising the online open house and the webinar was sent to 4,195 addresses in the project area. Information about the online open house was also posted on the project webpage and on social media, and the project team sent emails to project partners, neighborhood organizations, and project stakeholders. The online open house was available in English, Korean, and Spanish.

METHODOLOGY

The following report captures qualitative and quantitative data for survey questions. The online open house included 14 questions related to the project design elements and 14 questions related to criteria, travel, and respondent demographics. All questions were optional. Not all respondents answered every question. Many questions allowed respondents to select more than one answer. Questions with more than one answer do not use percentage to calculate any total value or representation.

Use and Activity

Between April 10 and May 1, 529 individuals visited the online open house. There were 165 survey respondents. Each question received a different number of responses, including:

- 125 responses to bridge structure questions
- 87 responses to the east bridge landing questions
- 113 responses to the west trail connection questions
- 98 responses to evaluation criteria questions
- 110 responses to bridge use and demographic questions
- 33 open-ended comments in response to the question *“Is there anything else you would like to share about the N 148th St Non-Motorized Bridge Project?”*

All survey entries were in English. The online open house received very few views in Spanish and Korean.

KEY FINDINGS

Demographics and Priorities

About 31% of online open house visitors completed survey questions. Seventy-nine percent (79%) of respondents who provided a ZIP code listed 98133 or 98155. About 44% of respondents who provided a ZIP code lived on the west side of I-5 and about 56% lived on the east side of I-5. About half of respondents are already planning to use the bridge to connect to light rail and nearby walking/bike trails and most plan to walk or bicycle. One-third were not yet sure if they plan to use the bridge.

Survey respondents who provided demographic information overwhelmingly identified as White or Caucasian and English-speaking. Most respondents were 35 or older, with the largest represented age group being those 65 years or older (22%). Eighty-nine percent (89%) of survey respondents were homeowners.

When considering criteria to evaluate design options, survey respondents identified the following as their top priorities:

- Improve pedestrian travel (e.g., sidewalks, crosswalks) (55%)
- Maintain safe environment for community (44%)
- Shorten travel time to light rail station/transit center (34%)

Bridge Span

The Tied Arch option was the most popular design; 57% of respondents selected it as their top choice. Respondents liked the overall look design of the Tied Arch, as well as the size. Respondents noted that minimizing cost, ensuring aesthetic appeal, and maximizing safety were all important factors to consider when selecting a bridge option. Regardless of where they live or what mode of travel they plan to use, participants preferred the Tied Arch option.

East Bridge Landing

More than 90% of survey respondents preferred the Direct Ramp option, regardless of where they live or what mode of travel they use. Respondents liked the overall layout, the connection to the Trail Along the Rail, and the connection to the light rail station. Accessibility and safety were key considerations. Many respondents noted that the more angular shapes of the other two options would present challenges for those on bicycles and those using assisted modes of travel.

Respondents noted that the corner angles in both the A-Frame and Switchback options would create blind spots and risk of collisions.

West Trail Connection

Fifty-seven percent (57%) of respondents preferred the Full Build-Out option. Respondents liked the overall design and the shared path for pedestrian and bicyclists. Safety was an important consideration for respondents. With the Minimal Build-Out option, respondents worried that the shared use of the drive aisle by vehicles and bicycles would create an increased risk for collisions, as well as liability for the neighboring churches.

Although respondents preferred the Full Build-Out option, many also listed loss of parking and loss of mature trees as concerns for any work being done on this portion of the project.

The Full Build-Out option was the most popular among respondents, regardless of where they live. Those who selected walking as a mode of travel had a slight preference for the Minimal Build-Out option; this option would include a designated path for pedestrians.

OTHER KEY THEMES

Maintain mature trees: Throughout each section of the survey, respondents emphasized the importance of maintaining mature trees in the project area wherever possible.

Manage project costs: Many respondents noted that managing project costs was an important factor, and some recommended the project team should select the least expensive design for each section of the project.

Delineated areas of travel: Participants also noted that it will be important throughout each project section to have clear signage and painted lanes to distinguish pedestrian pathways from bicycle/wheeled pathways.

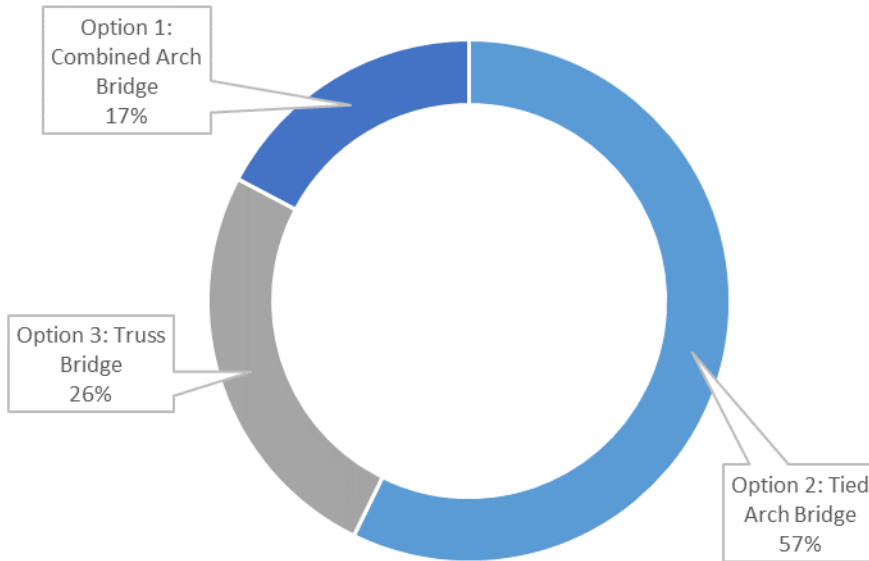
Other street improvements: Throughout each section of the survey, participants noted the need for street improvements around the project area, such as 1st Avenue NE and N 145th Street. Many noted that there was a need to improve pedestrian travel and safety on N 145th Street, regardless of how the bridge connects to N 148th Street.

NEXT STEPS

Public input is one of several key factors the project team is considering as they identify a preferred option for the project design. The project team will recommend a preferred option to Shoreline City Council in June 2020 for approval. Once approved, the project team will continue to refine the overall design and move toward 30% design in fall 2020. More opportunities for public input will be provided during summer and fall 2020.

BRIDGE

WHICH BRIDGE OPTION DO YOU PREFER?



Answers	Percentage	Tally
Option 2: Tied Arch Bridge	57%	63
Option 3: Truss Bridge	26%	28
Option 1: Combined Arch Bridge	17%	19
Total	100%	110

OPTION 1: COMBINED ARCH BRIDGE

What do you like about this option? Select all that apply.

Answers	Tally
Overall look and design	57
Size	25
Other	6

Respondents: 67

What do you dislike about this option? Select all that apply.

Answers	Tally
Overall look and design	23
Size	12
Other	6

Respondents: 38

OPTION 2: TIED ARCH BRIDGE

What do you like about this option? Select all that apply.

Answers	Tally
Overall look and design	82
Size	31
Other	11

Respondents: 86

What do you dislike about this option? Select all that apply.

Answers	Tally
Size	18
Overall look and design	12
Other	5

Respondents: 29

OPTION 3: TRUSS BRIDGE

What do you like about this option? Select all that apply.

Answers	Tally
Overall look and design	25
Size	20
Other	9

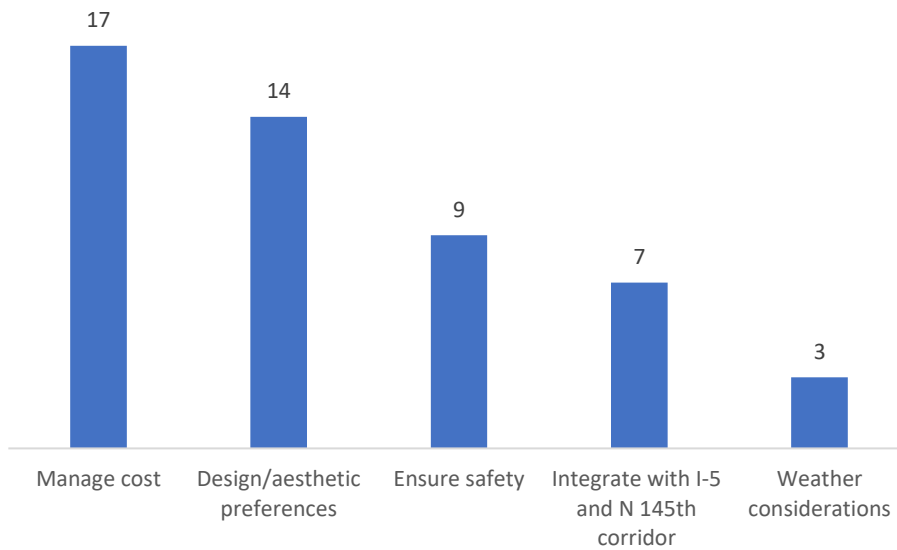
Respondents: 38

What do you dislike about this option? Select all that apply.

Answers	Tally
Overall look and design	68
Size	17
Other	14

Respondents: 75

Is there anything you think we should consider while evaluating these bridge options? (Write-in response)



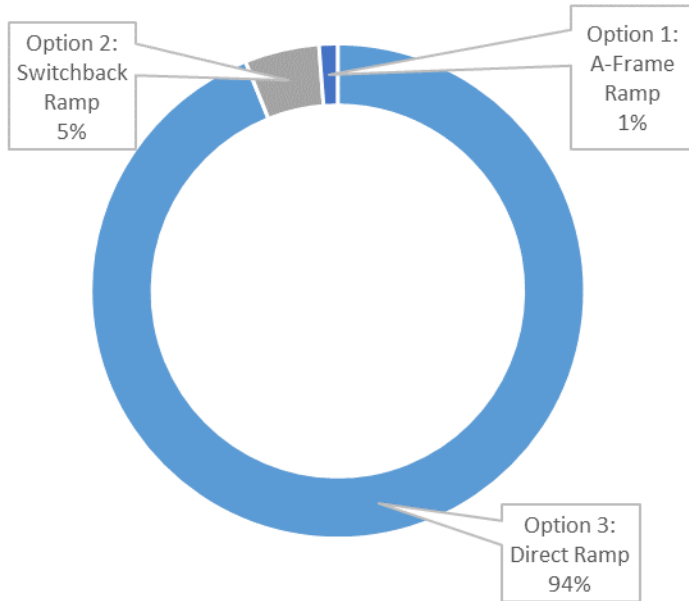
Recurring Themes	Tally
Manage cost	17
Design/aesthetic considerations	14
Maintain safety	9
Integrate with I-5 and N 145th corridor	7
Weather considerations	3

Other comments included ensuring bridge was easy to access, limiting bike and pedestrian interactions and ensuring the protection of mature trees.

Respondents: 48

EAST BRIDGE LANDING

WHICH OPTION DO YOU PREFER?



Answers	Percentage	Tally
Option 3: Direct Ramp	94%	77
Option 2: Switchback Ramp	5%	4
Option 1: A-Frame Ramp	1%	1
Total	100%	82

OPTION 1: A-FRAME RAMP

What do you like about this option? Select all that apply.

Answers	Tally
Stair access to station	22
Connection to light rail station	19
Pedestrian and bicycle pathways	17
Ramp layout	12
Connection to Trail Along the Rail	12
Other	3
Height clearance from Sound Transit tracks	2

Respondents: 31

What do you dislike about this option? Select all that apply.

Answers	Tally
Height clearance from Sound Transit tracks	36
Ramp layout	29
Connection to Trail Along the Rail	16
Other	15
Stair access to station	12
Pedestrian and bicycle pathways	5
Connection to light rail station	4

Respondents: 57

OPTION 2: SWITCHBACK RAMP

What do you like about this option? Select all that apply.

Answers	Tally
Height clearance from Sound Transit tracks	25
Connection to light rail station	14
Ramp layout	12
Pedestrian and bicycle pathways	11
Stair access to station	11
Connection to Trail Along the Rail	7
Other	5

Respondents: 40

What do you dislike about this option? Select all that apply.

Answers	Tally
Ramp layout	34
Connection to Trail Along the Rail	21
Stair access to station	18
Connection to light rail station	7
Pedestrian and bicycle pathways	7
Height clearance from Sound Transit tracks	6
Other	6

Respondents: 48

OPTION 3: DIRECT RAMP

What do you like about this option? Select all that apply.

Answers	Tally
Ramp layout	53
Connection to Trail Along the Rail	50
Connection to light rail station	48
Height clearance from Sound Transit tracks	34
Pedestrian and bicycle pathways	33
No stair access to station	29
Other	8

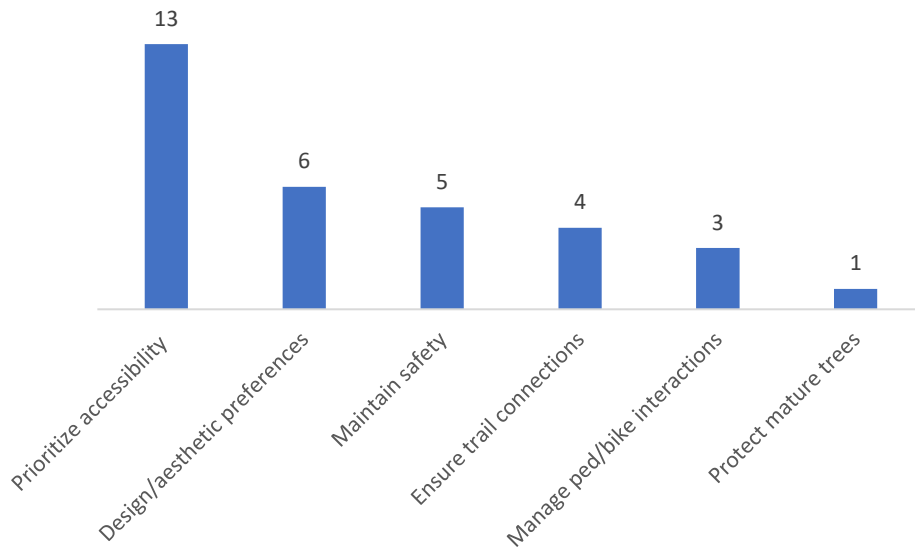
Respondents: 66

What do you dislike about this option? Select all that apply.

Answers	Tally
No stair access to station	15
Height clearance from Sound Transit tracks	6
Ramp layout	4
Pedestrian and bicycle pathways	3
Other	3
Connection to Trail Along the Rail	2
Connection to light rail station	1

Respondents: 24

Is there anything you think we should consider while evaluating these options for the East Bridge Landing? (*Write-in response*)

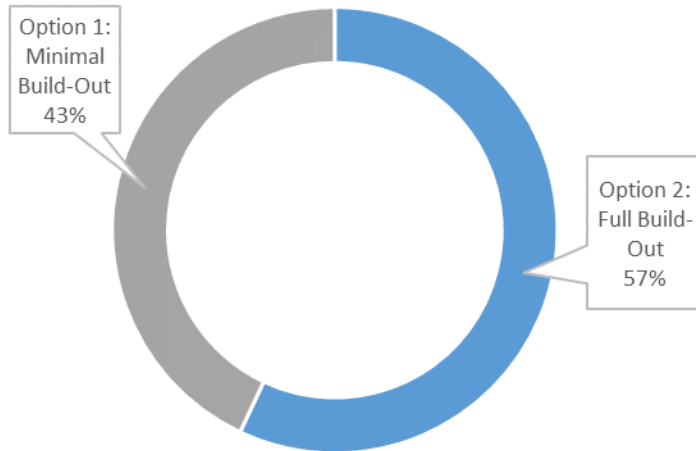


Recurring Themes	Tally
Prioritize accessibility	13
Design/aesthetic preferences	6
Maintain safety	5
Ensure trail connections	4
Manage ped/bike interactions	3
Protect mature trees	1

Respondents: 24

WEST TRAIL CONNECTION

WHICH OPTION DO YOU PREFER?



Answers	Percentage	Tally
Option 2: Full Build-Out	57%	57
Option 1: Minimal Build-Out	43%	43
Total	100%	100

OPTION 1: MINIMAL BUILD-OUT

What do you like about this option? Select all that apply.

Answers	Tally
Separation between bicyclists and pedestrians	47
Parking options	33
Trail design	26
Other	11

Respondents: 68

What do you dislike about this option? Select all that apply.

Answers	Tally
Separation between bicyclists and pedestrians	31
Trail design	28
Other	26
Parking options	11

Respondents: 65

OPTION 2: FULL BUILD-OUT

What do you like about this option? Select all that apply.

Answers	Tally
Trail design	51
Shared bicycle and pedestrian path	49
Other	9
Parking options	5

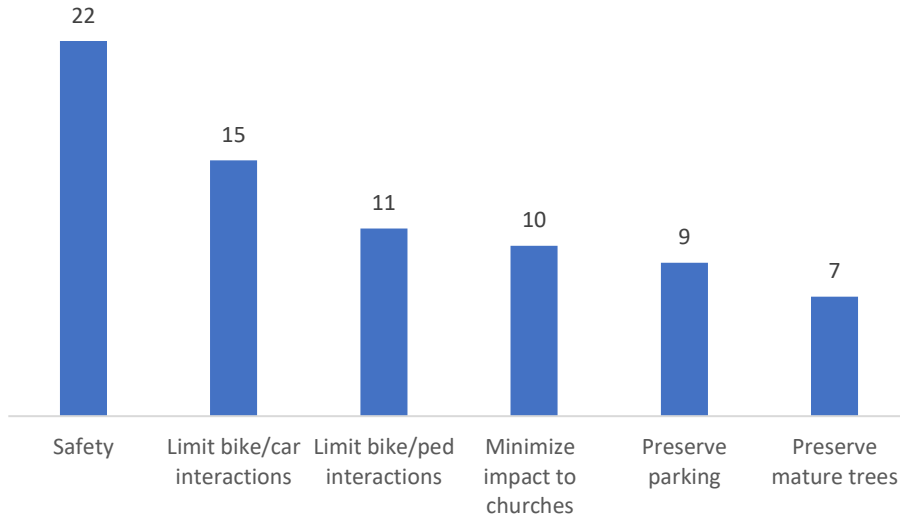
Respondents: 63

What do you dislike about this option? Select all that apply.

Answers	Tally
Shared bicycle and pedestrian path	39
Parking options	34
Other	13
Trail design	12

Respondents: 61

Is there anything you think we should consider while evaluating these options for the West Trail Connection? (Write-in response)



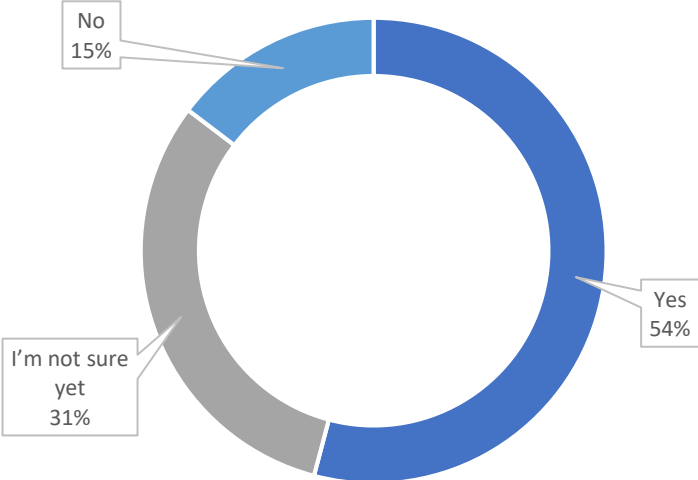
Recurring Themes	Tally
Safety	22
Limit bike/car interactions	15
Limit bike/ped interactions	11
Minimize impact to churches	10
Preserve parking	9
Preserve mature trees	7

Other comments included requests for more detailed plans, recommendations for landscaping, and the need to manage traffic flow into the area.

Respondents: 45

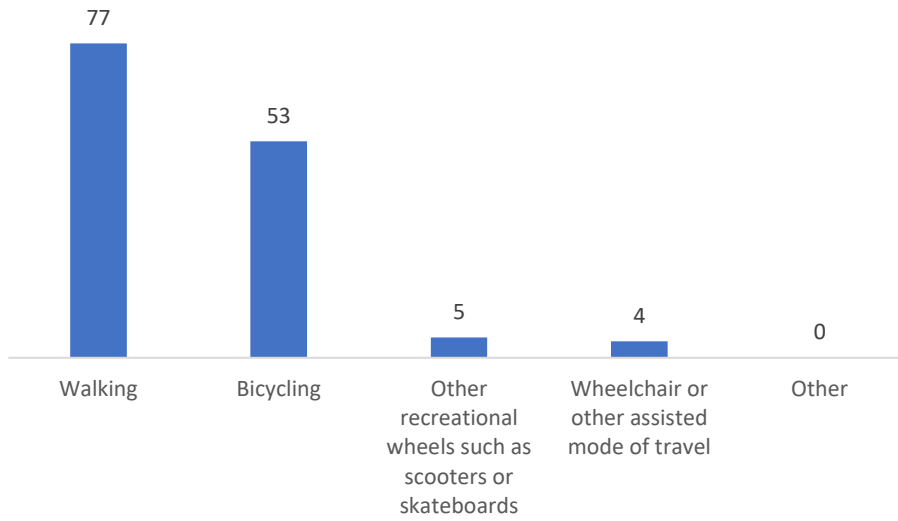
DEMOGRAPHIC INFORMATION

Do you plan to use the new N 148th Street Non-Motorized Bridge?



Answers	Percentage	Tally
Yes	54%	59
I'm not sure yet	31%	34
No	15%	16
Total	100%	109

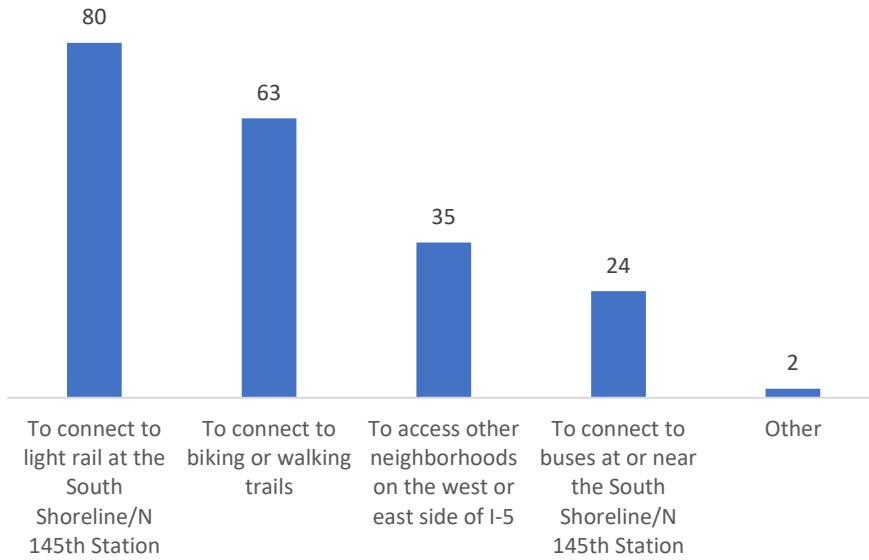
If you do plan to use the bridge, what modes of travel do you plan to use? Select all that apply.



Answers	Tally
Walking	77
Bicycling	53
Other recreational wheels such as scooters or skateboards	5
Wheelchair or other assisted mode of travel	4
Other	0

Respondents: 92

If you do plan to use the bridge, what will be the purpose of your travel? Select all that apply.



Answers	Tally
To connect to light rail at the South Shoreline/N 145th Station	80
To connect to biking or walking trails	63
To access other neighborhoods on the west or east side of I-5	35
To connect to buses at or near the South Shoreline/N 145th Station	24
Other	2

Respondents: 91

Please select the top three criteria that are most important to you for this project.



**IMPROVE
PEDESTRIAN TRAVEL**

55%



**MAINTAIN SAFE
ENVIRONMENT**

44%



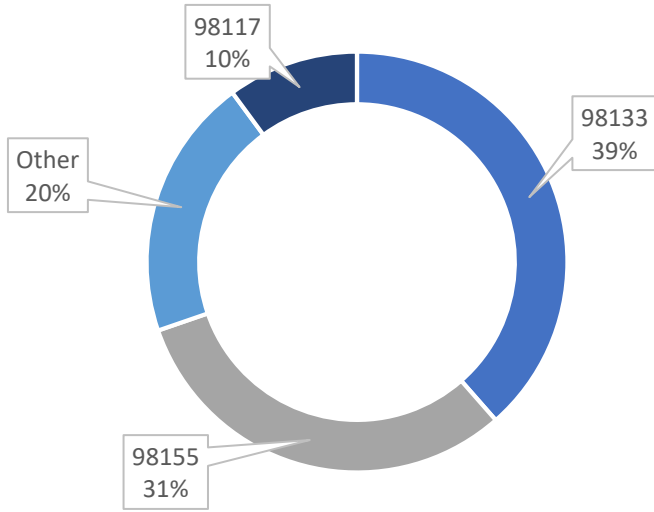
SHORTEN TRAVEL TIME

34%

Answers	Percentage	Tally
Improve pedestrian travel (e.g., sidewalks, crosswalks)	55%	59
Maintain safe environment for community	44%	47
Shorten travel time to light rail station/transit center	34%	36
Improve bicycle travel	33%	35
Protect mature trees	27%	29
Visual design and overall look	21%	23
Manage project costs	17%	18
Minimize impacts to neighboring properties	15%	16
Maintain existing parking options	13%	14
Limit city acquisition of private property	9%	10

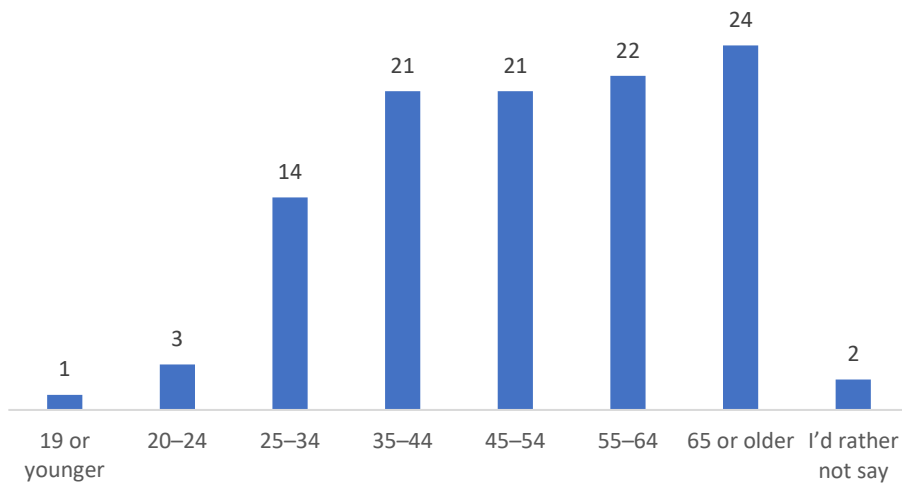
Respondents: 107

What is your ZIP code?



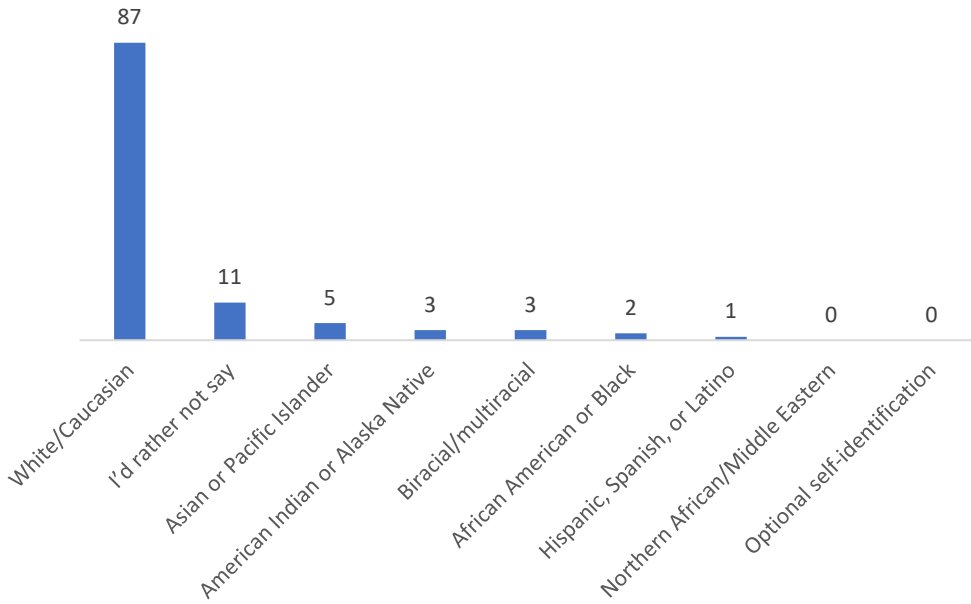
Answers	Percentage	Tally
98133	39%	42
98155	31%	34
Other	20%	22
98117	10%	11
Total	100%	109

What is your age?



Answers	Percentage	Tally
19 or younger	1%	1
20-24	3%	3
25-34	13%	14
35-44	19%	21
45-54	19%	21
55-64	20%	22
65 or older	22%	24
I'd rather not say	2%	2
Total	100%	108

What is your race/ethnicity? Select all that apply.



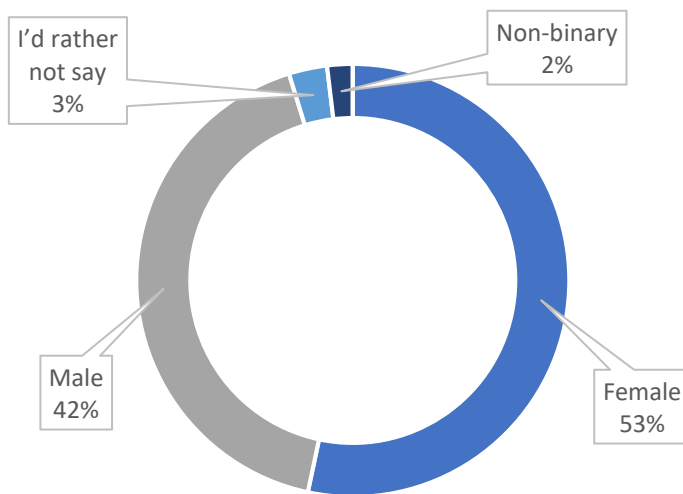
Answers	Tally
White/Caucasian	87
I'd rather not say	11
Asian or Pacific Islander	5
American Indian or Alaska Native	3
Biracial/multiracial	3
African American or Black	2
Hispanic, Spanish, or Latino	1
Northern African/Middle Eastern	0
Optional self-identification	0

Respondents: 107

What is the primary language spoken in your home?

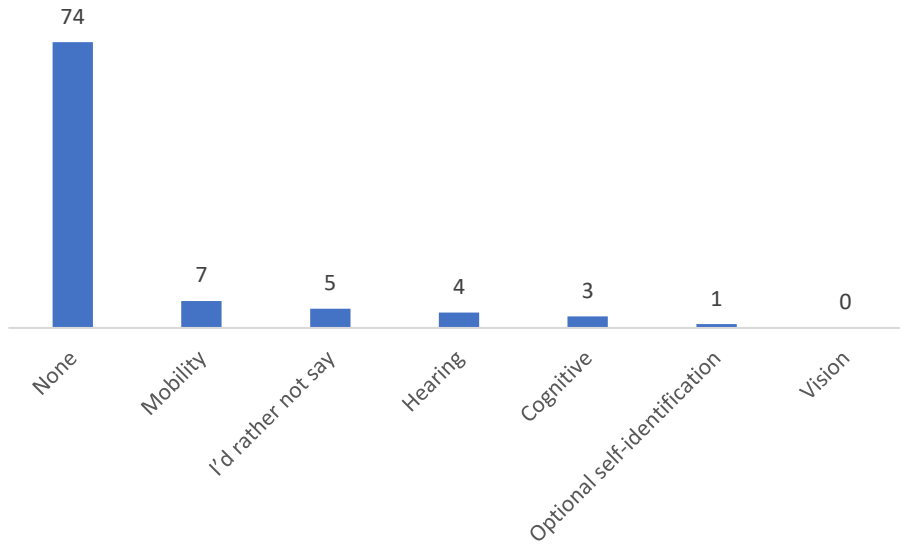
Answers	Percentage	Tally
English	100%	107
Amharic/Tigrinya	0%	0
Korean	0%	0
Mandarin/Cantonese	0%	0
Spanish	0%	0
Tagalog	0%	0
Vietnamese	0%	0
Other	0%	0
Total	100%	107

What gender do you identify as?



Answers	Percentage	Tally
Female	53%	56
Male	42%	44
I'd rather not say	3%	3
Non-binary	2%	2
Optional self-identification	0%	0
Total	100%	105

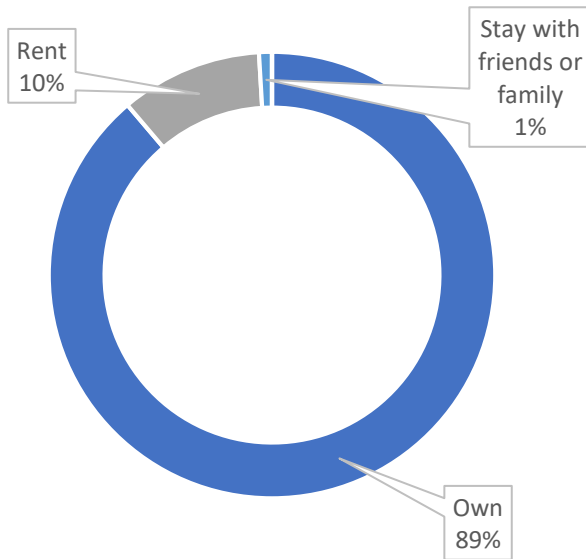
Do you have a disability? Select all that apply.



Answers	Tally
None	74
Mobility	7
I'd rather not say	5
Hearing	4
Cognitive	3
Optional self-identification	1
Vision	0

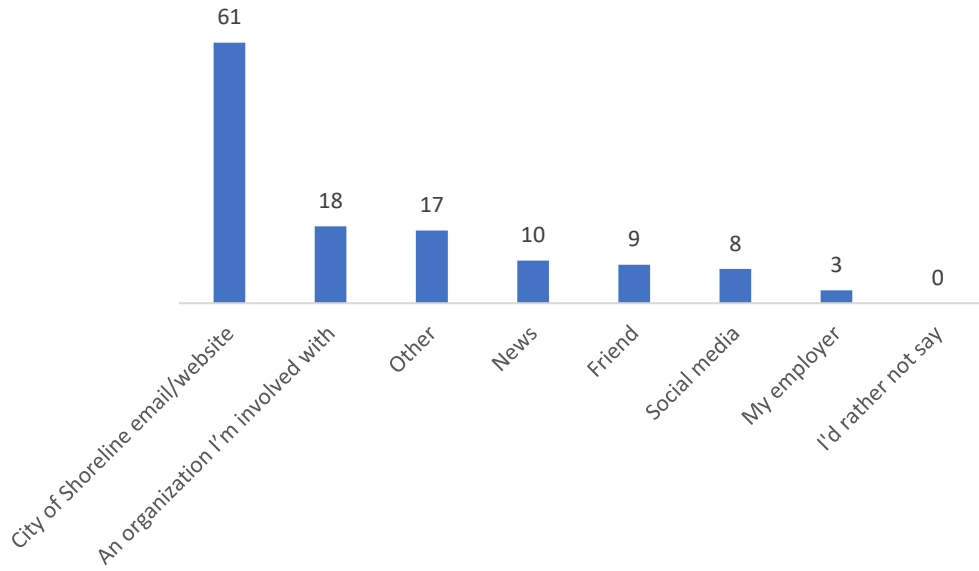
Respondents: 94

What is your current housing situation?



Answers	Percentage	Tally
Own	89%	95
Rent	10%	11
Stay with friends or family	1%	1
Without housing	0%	0
Other	0%	0
I'd rather not say	0%	0
Total	100%	107

How did you learn about this project? Select all that apply.

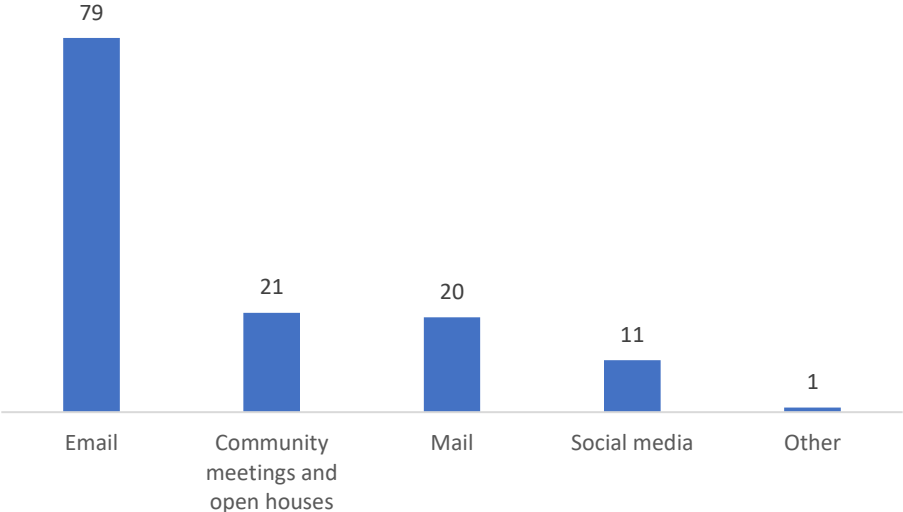


Answers	Tally
City of Shoreline email/website	61
An organization I'm involved with	18
Other	17
News	10
Friend	9
Social media	8
My employer	3

Respondents: 107

***Reporting Note: This question unintentionally omitted "mailer" as an option. Several people who responded with "other" said they received a mailer from the City of Shoreline.*

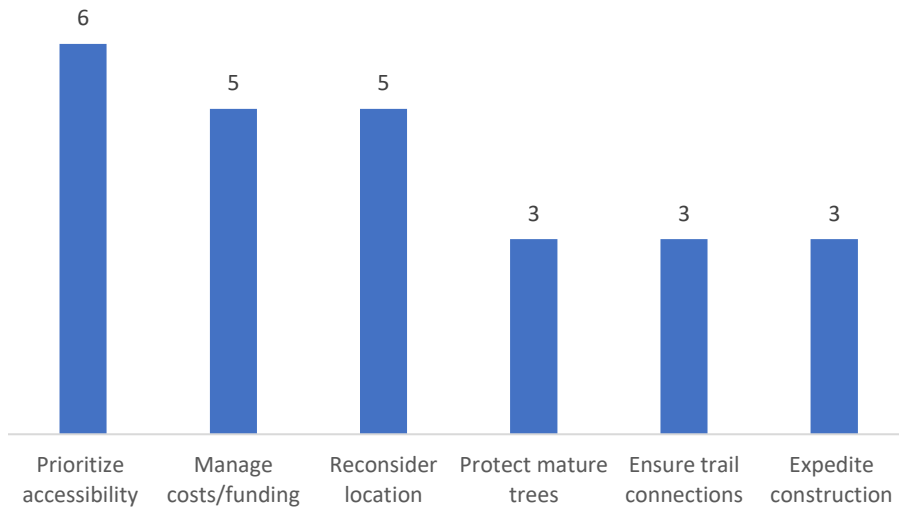
What is the best way to stay in touch with you about this project? Select all that apply.



Answers	Tally
Email	79
Community meetings and open houses	21
Mail	20
Social media	11
Other	1

Respondents: 99

**Is there anything else you would like to share about the N 148th Non-Motorized Bridge Project?
(Write-in response)**



Recurring Themes	Tally
Prioritize accessibility	6
Manage costs/funding	5
Reconsider location	5
Protect mature trees	3
Ensure trail connections	3
Expedite construction	3

Other comments included prioritizing safety, minimizing impacts to churches, and comments on other City of Shoreline projects.

Respondents: 33

WEB ACTIVITY REPORT

URL: 148bridge.infocommunity.org

Users | 529

Total number of individual IP addresses that visited the online open house at least once.

Sessions | 692

The number of individual visits to online open house from all users.

Total Pageviews | 2,454

The total number of times all pages within the online open house were viewed, inclusive of English, Spanish, and Korean pages.

Unique Pageviews | 2,138

This number aggregates multiple visits to a page within a single browsing session. Example: If a user viewed the Bridge page five times within one browsing session, the total number of unique views of that page would be one. If a user viewed the online open house on a Thursday and then came back to view again on a Friday, those visits are counted as multiple browsing sessions.

Pages Visited Per Session | 3.55

The average number of pages a user visited during a session.

Session Duration | 5 minutes, 20 seconds

The average time a user spent viewing the online open house during a session.

Device Use | Desktop (75%), Mobile (22%), Tablet (3%)

Top Traffic Sources | Direct Entry of URL (61%), City of Shoreline website (21%), Facebook (8%)