

Bike Bellevue

BDA Transportation Committee September 20, 2023

Franz Loewenherz, City of Bellevue





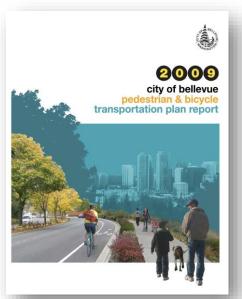


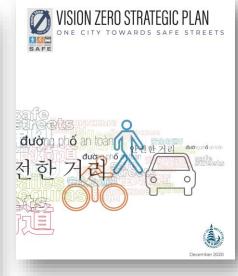
- Project Background
- DRAFT Concepts Guide
- Konveio Online Engagement
- BDA Engagement



Bike Bellevue Background

- Confluence of several Transportation Department efforts
- Next step in Bellevue's active mode and safety implementation
- Consistent with Mobility Implementation Plan











Bike Bellevue Background

CIP (PW-W/B-85) description: "Growth Corridor High Comfort Bicycle Network Implementation" (AKA: Bike Bellevue)

- \$4.5 million in 2023-29 CIP.
- Design and implement rapid-build bicycle projects on existing streets in the Downtown, Wilburton, and BelRed neighborhoods.
- Establish grid of safe and comfortable connections to key destinations for people of all ages and abilities.



Bike Bellevue Principles



Safety

Reduce the frequency and severity of crashes and minimize conflicts between roadway users through bikeway design.



Connectivity

Implement a connected network of bicycle lanes that facilitate access to major destinations.



Comfort

Design bicycle lanes that maximize separation between motor vehicles and people bicycling on streets with higher speed limits and more vehicle traffic.



Evaluation

Use a data informed approach to evaluate impacts to all modes of travel and design the program to maximize the mobility of all modes.



Coordination

Coordinate transportation and land use efforts underway in Bellevue to ensure equity and sustainability outcomes are aligned.



Partnerships

Identify partnership opportunities to advance the implementation of bicycle projects.



Engagement

Engage community stakeholders in setting the priorities for Bike Bellevue investments.

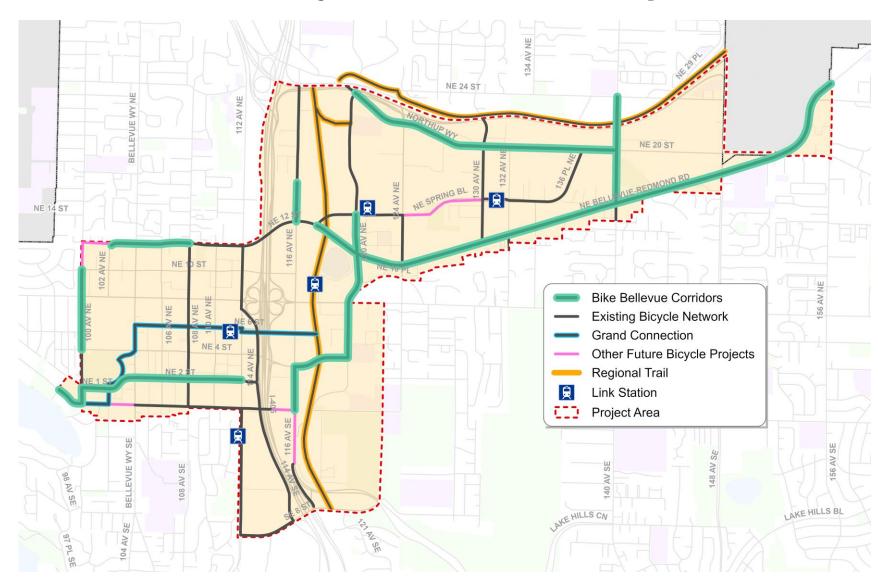


Equity

Promote equity and inclusion in the development and delivery of bicycle projects. Consistent with the city's Diversity Advantage Plan, Bike Bellevue will center equity, access, inclusion, and opportunity in project delivery.



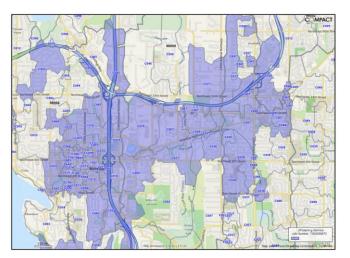
DRAFT Project Area Map





DRAFT Engagement Plan

- Konveio tool
- Mailer
- Yard signs
- Posters
- Focus groups
- Stakeholder interviews
- Community events
- Public open house









The City of Bellevue's Transportation Department is continuing work on Bike Bellevue, and we want your input! Bike Bellevue will add bike lanes to existing streets in the urban core areas of Downtown, Wilburton and BelRed. The goal is to create a network of safe and comfortable cycling connections for people of all ages and abilities.

Provide feedback on proposed bike lane designs

Share your thoughts on the proposed designs for each Bike Bellevue corridor using an online project design feedback tool at bikebellevue.konveio.com. You will also be able to see comments from other people, add a response, and agree or disagree. Submit your comments by Friday, November 17.

For more information on Bike Bellevue and to sign up for project alerts visit BellevueWA.gov/bike-bellevue.

If you would like to participate in a focus group, stakeholder interview or arrange a Bike Bellevue presentation for your community group, please contact Franz Loewenherz, Bike Bellevue Project Manager, at floewenherz@bellevuewa.gov.



For alternate formats, interpreters, or reasonable modification requests please phone at least 48 hours in advance 425-452-7925 lovicel or email ghasystrom@bellev.uewa.gov. For complaints regarding modifications, contact the City of Bellevue ADA, Title VI, an Email Opportunity Officer at ADA TitleVIII/Belleviewa.gov.

Title VI Notice to the Public It is the City of Bellevier's policy to assure that no person shall on the grounds of race, colon national origin or exe, as provided by the Title VI of the Civil Rights 4xct of 1964, be excluded from participating in, be derived the benefits of, or be otherwise discriminated against under any of Its federally funded program and activities. Any person who believes his/her Title VI protection has been violated may file a complaint with the Title VI Coordinator. For Title VI complaint forms and advice, please contact the Title VI Coordinator at 245–852.4499.

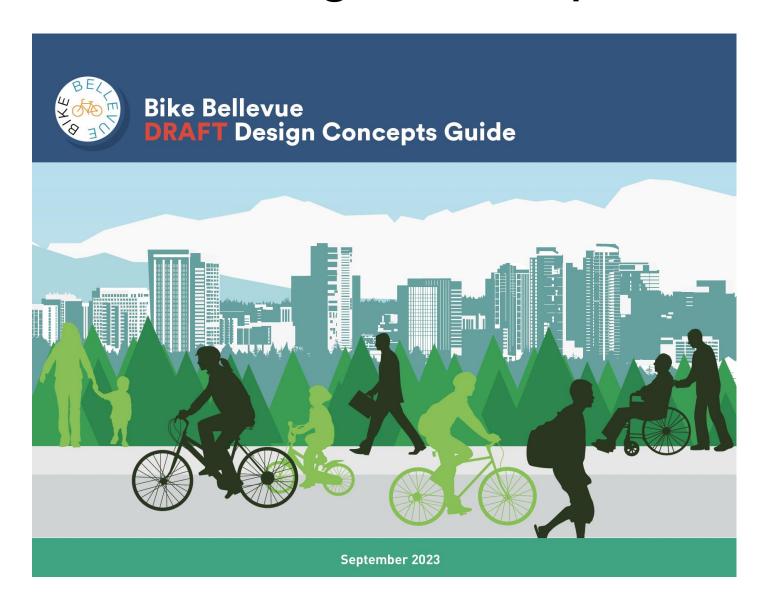




- Clarifying questions
- Discussion

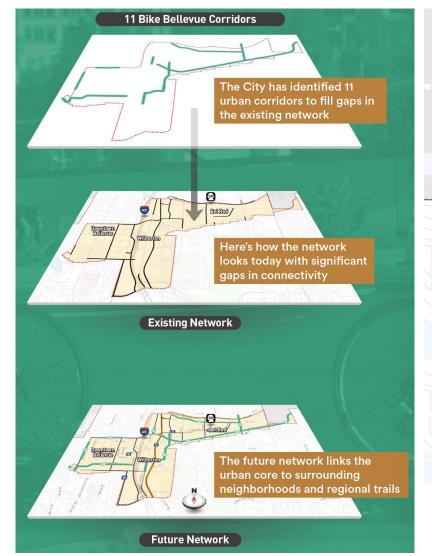


DRAFT Design Concepts Guide





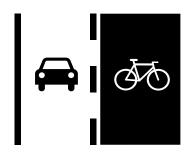
What is Bike Bellevue?







Design Development Process





- Traffic analysis
- Queuing
- Bike design options
- Transit



Draft Corridor Concepts

- Striping
- Signals



Concepts Assessment

- Bike LTS
- V/C ratios
- Travel speed



Concepts Guide



Prioritizing Safety

- Bicyclists as vulnerable road users
- Implement proven safety countermeasures
- Aligns with Safe System approach to Vision Zero





All ages and abilities

Interested but concerned

Enthused and confident

Strong and fearless









LTS 1

LTS 2

LTS 3

LTS 4

 Designed for different bike riders

 Defined by speed, volume, and bicycle facility

Roadway Characteristics		Bicycle Facility Components: Guideline to Achieve Intended Level of Service/Level of Traffic Stress					
Speed Limit	Arterial Traffic Volume	No Marking	Sharrow Lane Marking	Striped Bike Lane	Buffered Bike Lane (Horizontal)	Protected Bike Lane (Vertical)	Physically Separated Bikeway
=25</td <td><3k</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td>	< 3k	1	1	1	1	1	1
	3-7k	3	3	2	1	1	1
	>/=7k	3	3	2	2	1	1
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	10-25k	4	4	3	3	2	1
	> /=25k	4	4	3	3	3	1
35 -	<25k	4	4	3	3	3	1
	> /=25k	4	4	4	3	3	1
>35	Any	4	4	4	4	3	1



Bicycle LTS



Shared Lane Marking (Sharrow)



Separated Buffered Bike Lane



Conventional Bike Lane



Separated Buffered Bike Lane (two-way)



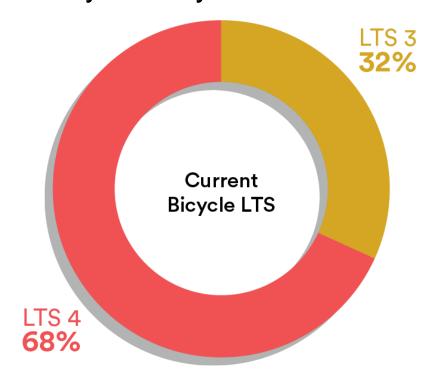
Buffered Bike Lane



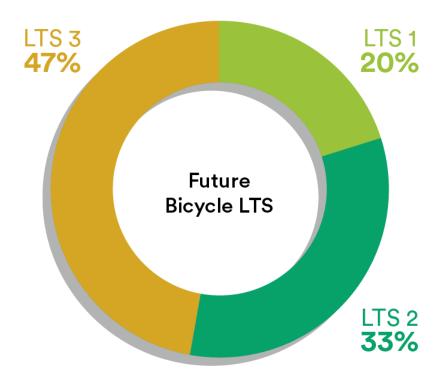
Multi-use Path



Today: mostly LTS 3 and LTS 4



Bike Bellevue: eliminates LTS 4 conditions

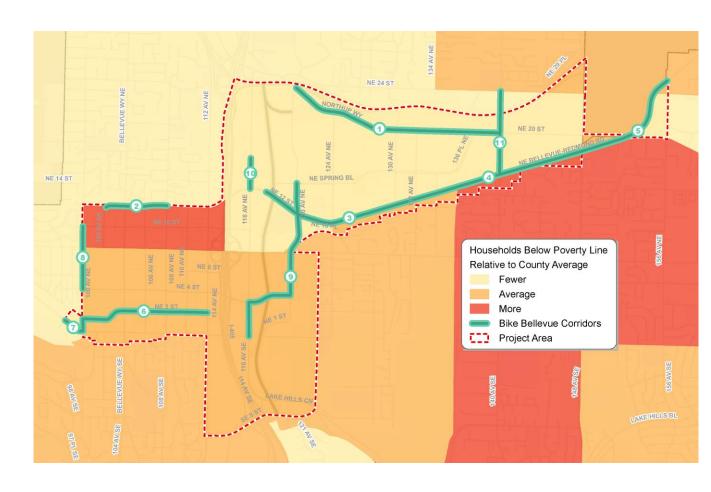


More than half of corridors would be LTS 1 or 2



Equitable Access

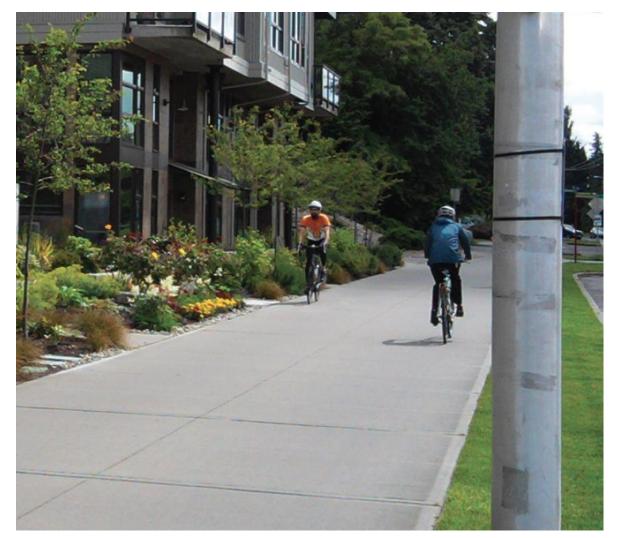
- Many equity metrics; focus on low-income population
- 30% more likely to walk/bike
- 80% more likely to ride transit
- Low-stress bike access gains:
 - 24% more jobs
 - 71% more bus stop access
 - 33% more students per school





Sustainability

- Bicycle mode share increases:
 - Today 0.8%
 - 2035 between 2.6% 4.3%
- Reduces GHG emissions equivalent to annual emissions from 240-890 cars
- Supports Environmental Stewardship Plan





Vehicle Performance



Existing Conditions

2035 with Bike Bellevue Conditions



Key Conclusions

- Reduce 4-8 fatal/severe injury crashes over 20 years
- Eliminate LTS 4 facilities; 90% of corridors meet MIP LTS Targets
- 24% more jobs accessible; 77% more transit stops accessible
- Increase bike mode share, reduce GHG emissions from transportation
- Vehicle corridor speeds lower by <1MPH

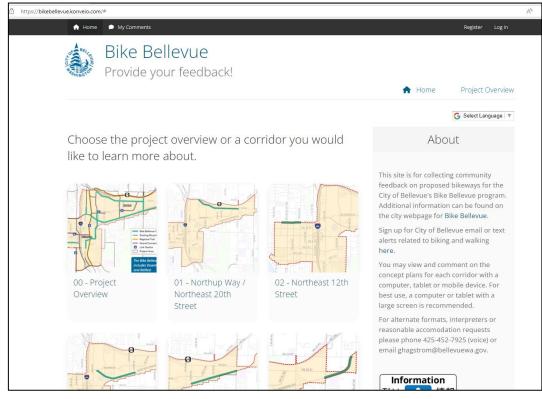




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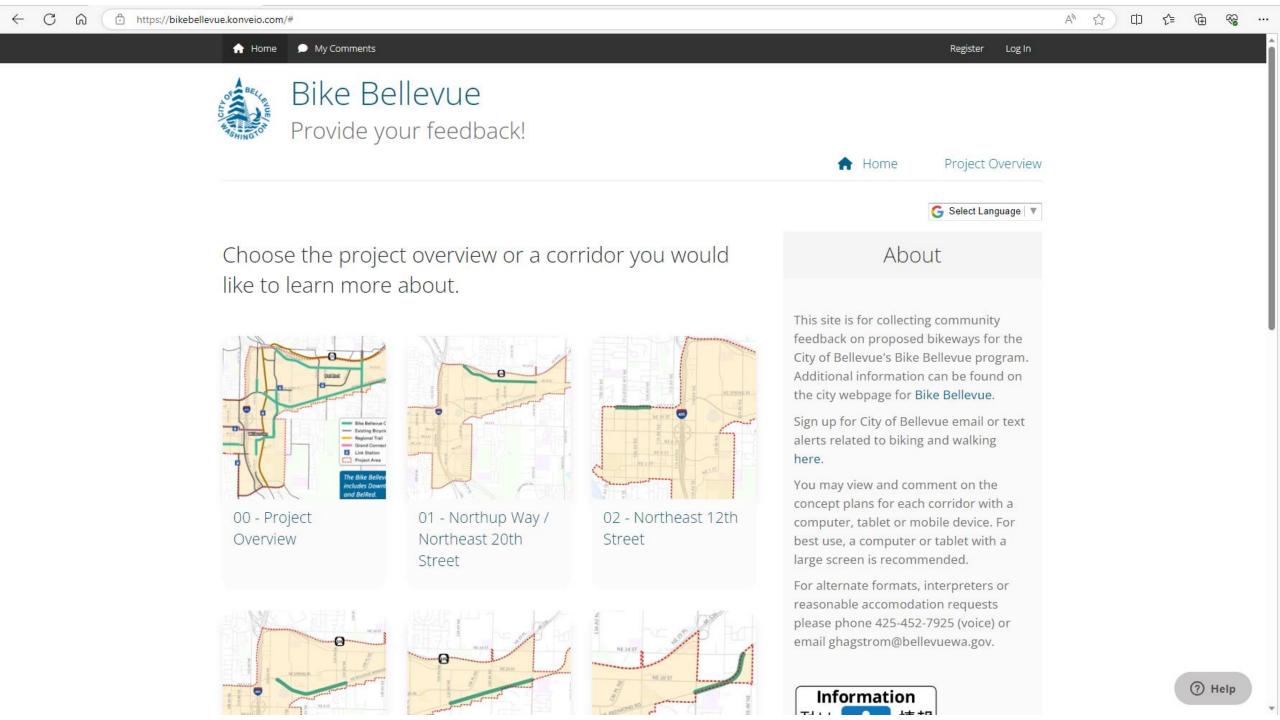
Konveio Online Engagement Tool

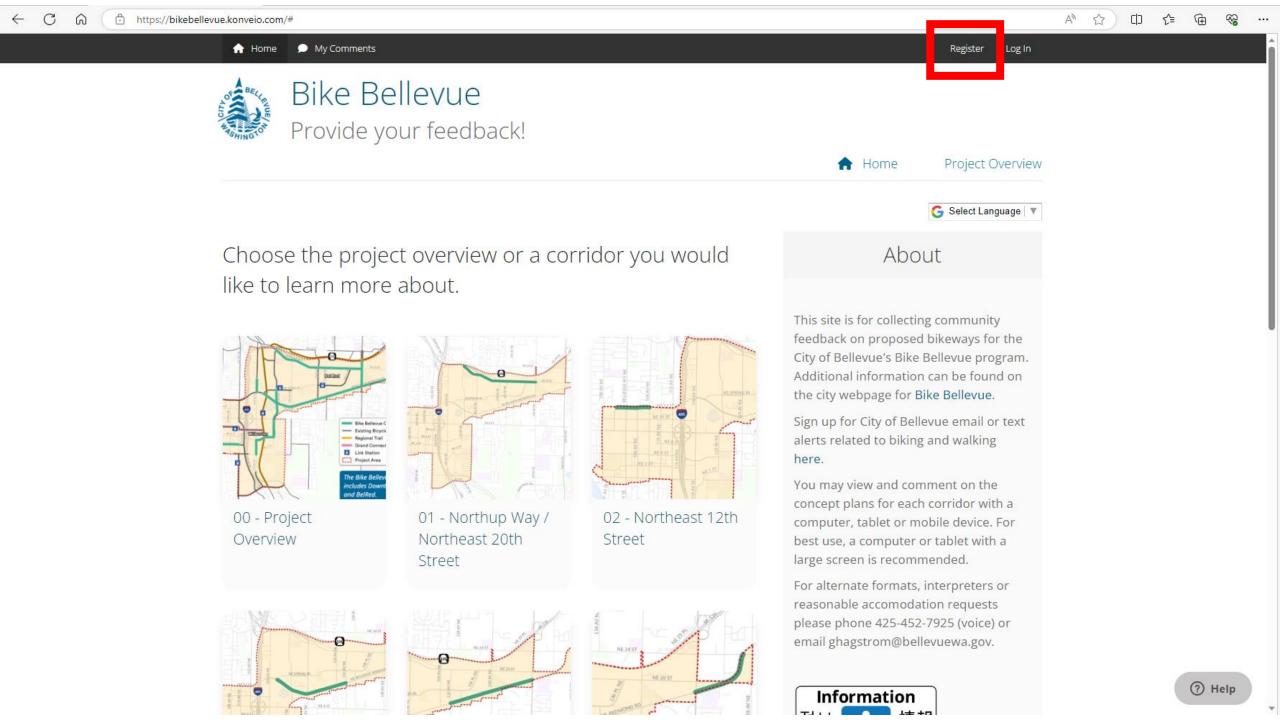


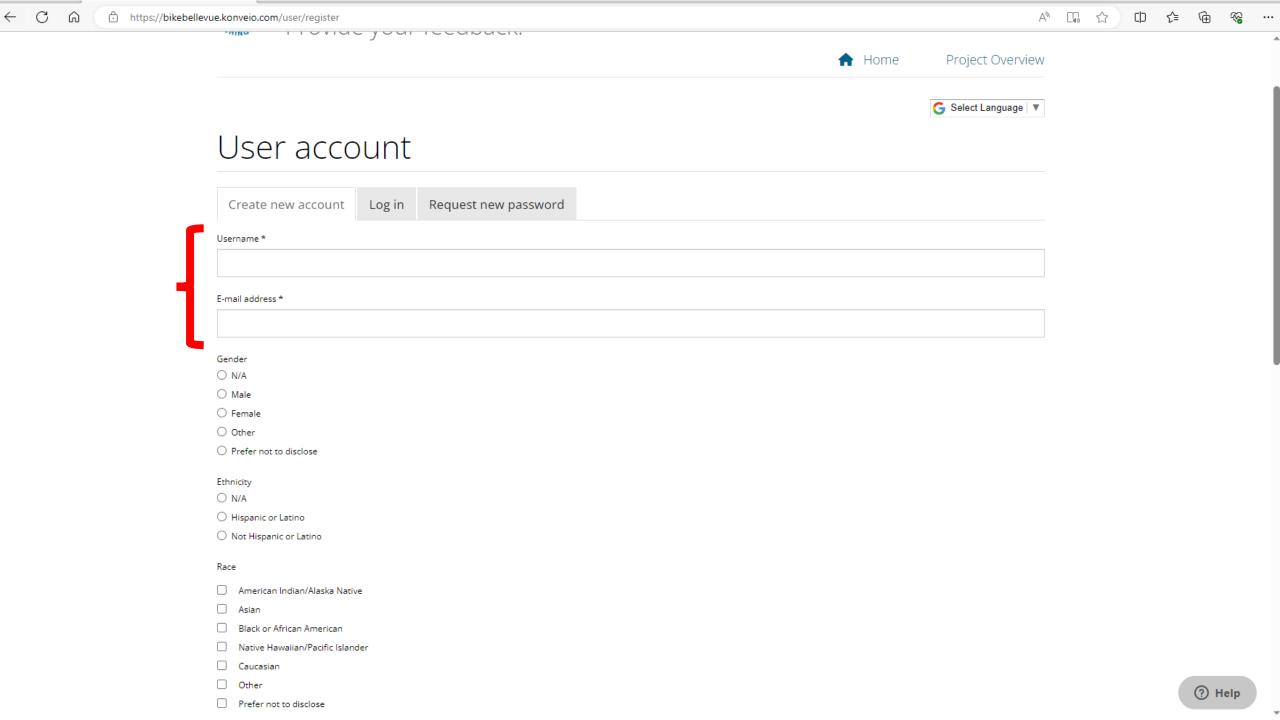


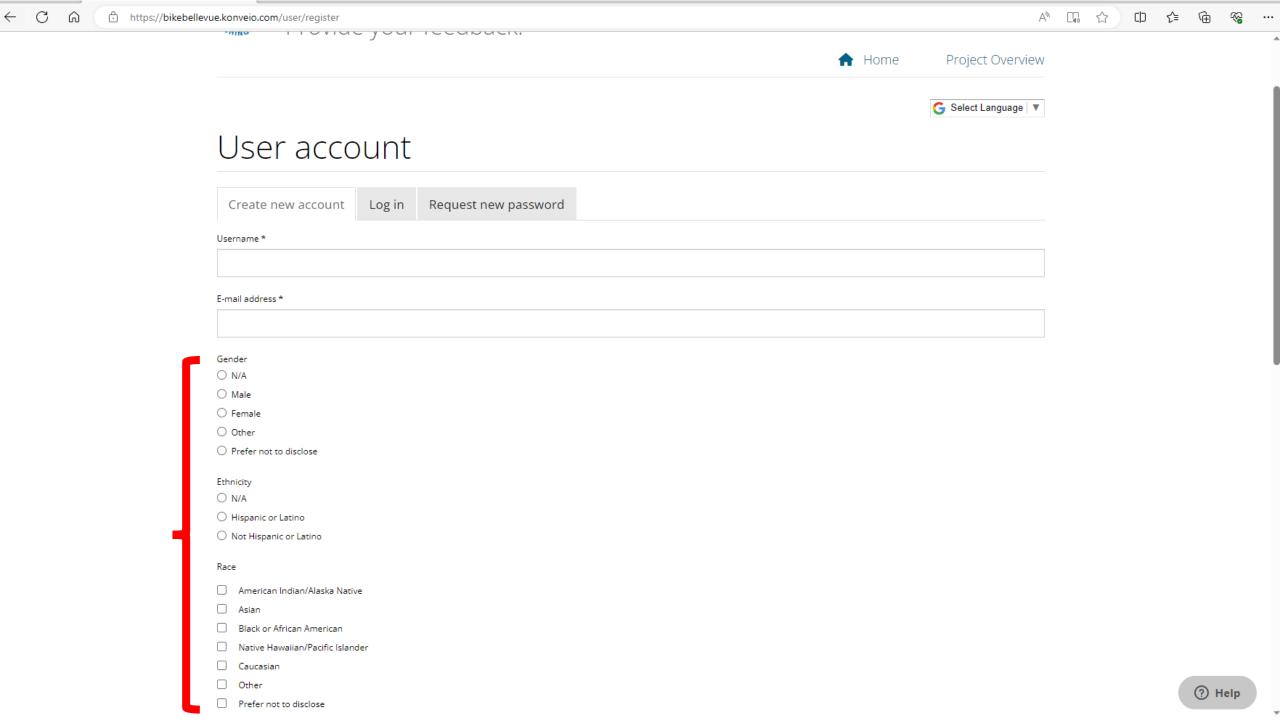
Comments by November 17, 2023

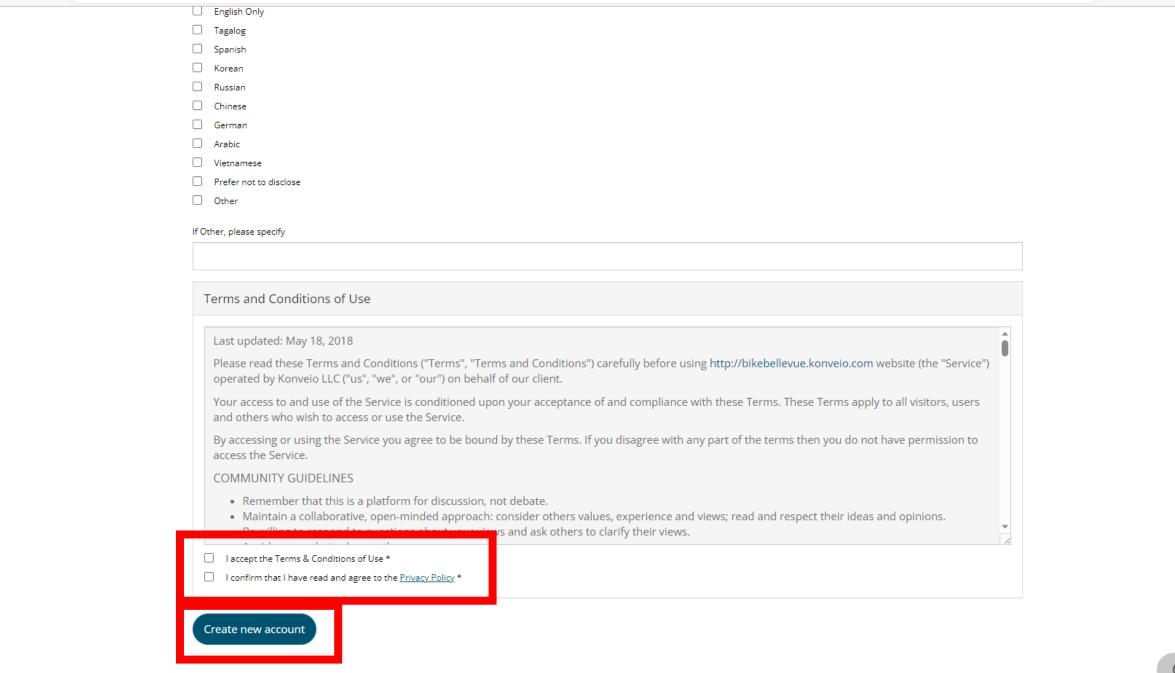
https://bikebellevue.konveio.com/











https://bikebellevue.konveio.com/user/register





Project Overview



Choose the project overview or a corridor you would like to learn more about.

- Existing Bicycle includes Daw 00 - Project Overview





01 - Northup Way / Northeast 20th Street Street

02 - Northeast 12th



Ctroat/Dal Dad Doad





05 - Bel-Red Road

About

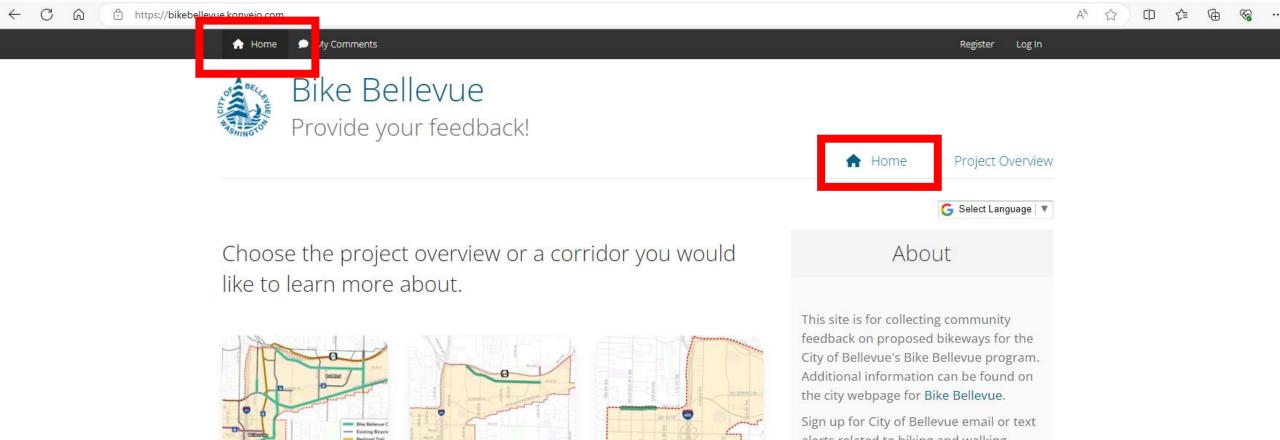
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alerts related to biking and walking here.

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For alternate formats, interpreters or reasonable accomodation requests please phone 425-452-7925 (voice) or email ghagstrom@bellevuewa.gov.





00 - Project 01 - Northup Way / 02 - Northeast 12th Northeast 20th Overview Street Street

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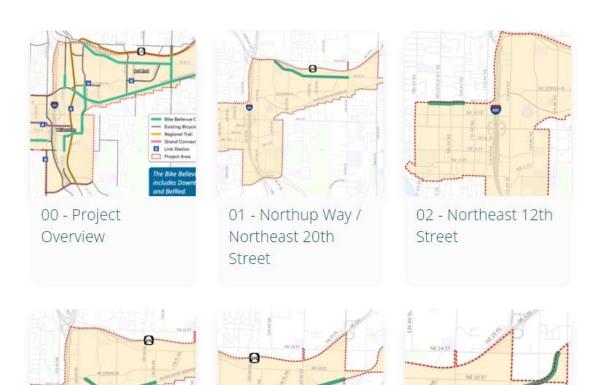








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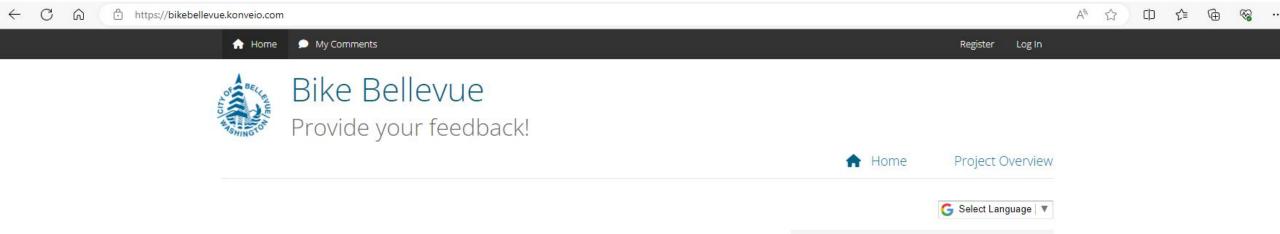
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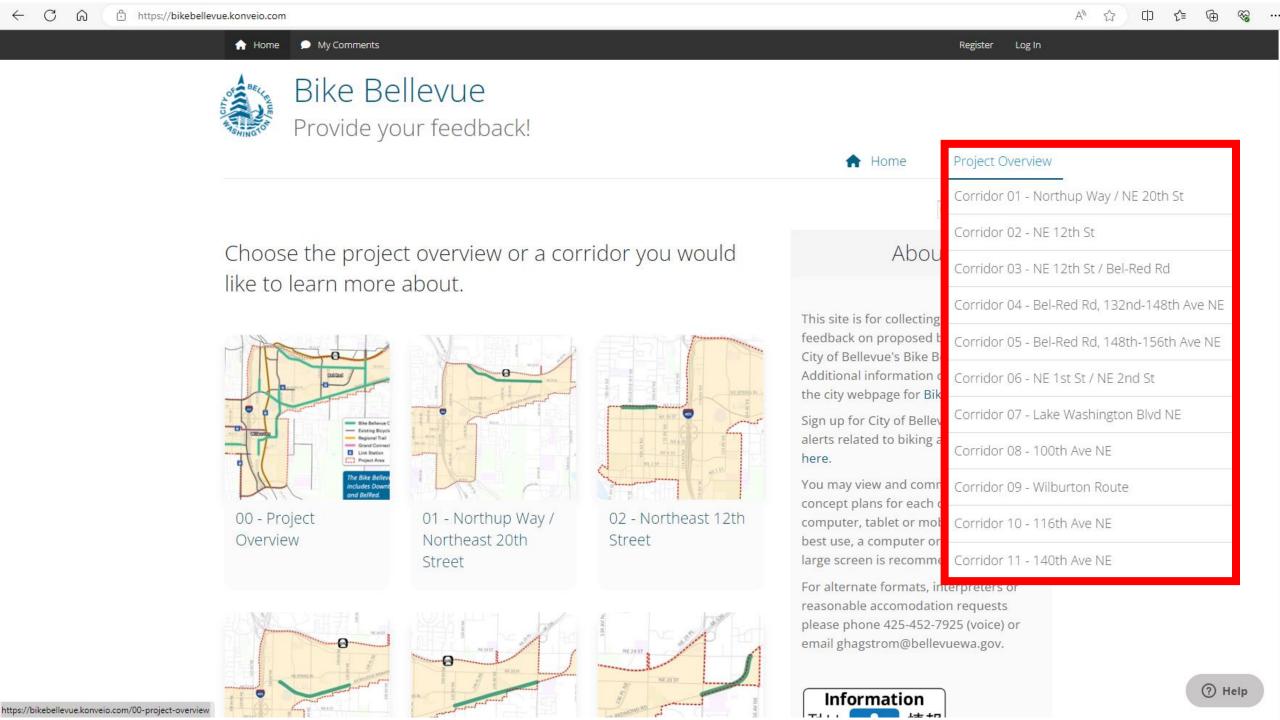
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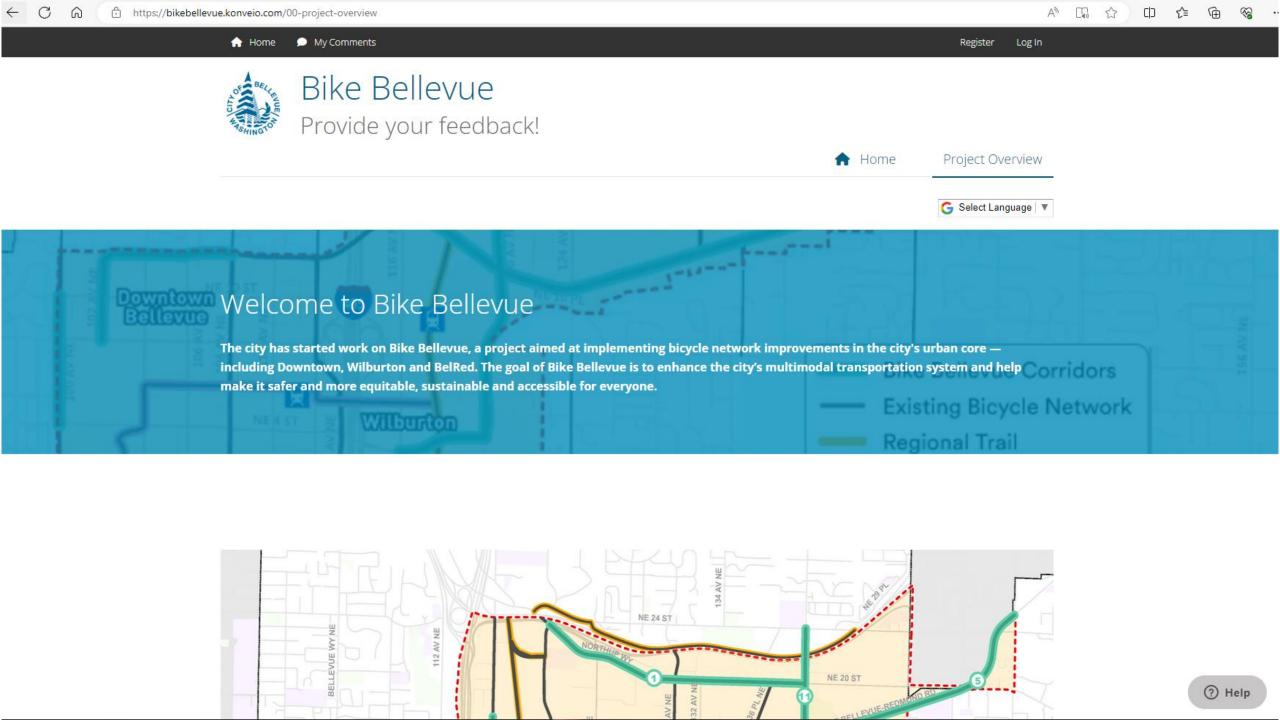
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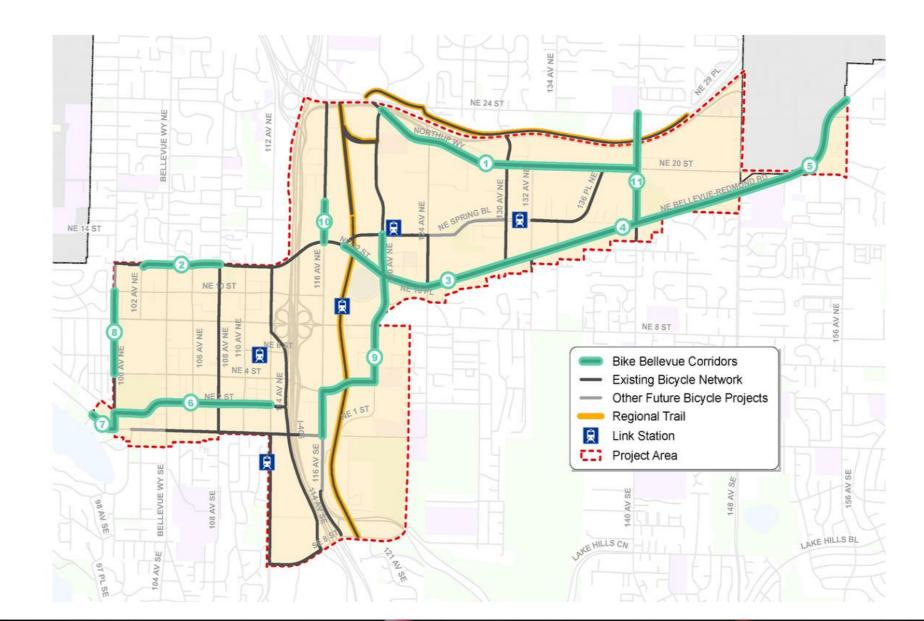
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Project principles

Bike Bellevue is the next step in improving the safety, connectivity and comfort of the bicycle network in the city. It builds on planning undertaken through the 2009 Pedestrian and Bicycle Transportation Plan, the 2016 Bicycle Rapid Implementation Program, the 2020 Vision Zero Strategic Plan and the 2022 Mobility Implementation Plan. These past efforts informed the council-approved project principles, which the Transportation Commission's guide in developing Bike Bellevue.

- Safety: Reduce the frequency and severity of crashes and minimize conflicts between roadway users through bikeway design.
- Connectivity: Implement a connected network of bicycle lanes that facilitate access to major destinations.
- **Comfort**: Design bicycle lanes that maximize separation between motor vehicles and people bicycling on streets with higher speed limits and more vehicle traffic.
- **Evaluation**: Use a data informed approach to evaluate impacts to all modes of travel and designthe program to maximize the mobility of all modes.
- **Coordination**: Coordinate transportation and land use efforts underway in Bellevue to ensure equity and sustainability outcomes are aligned.
- Partnerships: Pursue partnership opportunities to advance the implementation of bicycle projects.
- Engagement: Engage community stakeholders in setting the priorities for Bike Bellevue investments.
- Equity: Promote equity and inclusion in the development and delivery of bicycle projects.

Benefits of Bike Bellevue

The proposed network will allow people to travel on a dedicated network of bicycle facilities throughout the project area, greatly expanding access between homes, transit, jobs and recreation.

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- **Equity**: Promote equity and inclusion in the development and delivery of bicycle projects.

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The proposed network will allow people to travel on a dedicated network of bicycle facilities throughout the project area, greatly expanding access between homes, transit, jobs and recreation.

- Nearly three-quarters (74%) of all households in the project area will have a lower-stress bicycle ride to a park compared to less than half today (49%).
- The proportion of jobs in the project area that will have a more comfortable bicycle connection to a Link light rail station will double (37% to 66%).
- 48% of Bellevue's High Injury Network within the project area will receive a bicycle network improvement, as opposed to 13% today.
- Research has shown that on-street protected bikeways and trails can boost local economic development, even when car travel lanes or car parking is removed.
- There is significant evidence that protected bicycle lanes boost bicycling rates and improve safety for all road users, not just those who are bicycling.
- Research has consistently demonstrated that the addition of bicycling infrastructure reduces the amount people drive which results in less energy use and greenhouse gas emissions, and improved community health.

Importantly, the proposed bike network can be implemented without significantly impacting traffic congestion and transit riders. Based on an analysis of 2022 traffic flows with the proposed Bike Bellevue lane modifications, all system intersections continue to meet the volume-to-capacity ratio (V/C) Performance Target identified in the Mobility Implementation Plan (1.0 or less). The average system intersection delay increases by less than 9 seconds during the PM peak period as a result of the bicycle network completion. Notably, more than 90% of all roadway space within the project area will still be dedicated to moving motor vehicles. This ultimately means that thousands of Belleve residents and employees would have access to a low-stress bicycle route and most drivers would not experience a meaningful change in their travel times throughout the day or during rush hour.

The completion of the Bike Bellevue network will complement the extensive road network, enhanced transit services, and extensive sidewalk coverage in the project area to ensure that the densest protion of Bellevue has a high-performing, sustainable and multimodal transportation system.

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Frequently Asked Questions

How was the area for Bike Bellevue determined?

Major capital projects and levy-supported projects are implementing bikeways in Bellevue's downtown, Wilburton and BelRed neighborhoods; however, significant gaps in the network remain that limit access to and the utility of these investments. The neighborhoods in this project area collectively represent just 8.5% of the city geography but account for 52% of citywide transit usage, 65% of citywide jobs, 36% of citywide "high-injury network" and 34% of the city's pedestrian and bicyclists involved in fatal and serious injury crashes.

In 2025, East Link light rail will serve five stations in the project area, and Eastrail will open new segments along the old rail corridor. Ensuring safe access for all travelers is critical as 30,000 new jobs and 27,000 new residents are anticipated in the project area by 2025.

What types of bicycle projects will be implemented on streets? +

How is Bike Bellevue different from past bikeway projects? +

How will the Bike Bellevue projects be funded? +

How do I use this website and provide feedback? +

Explore the proposed corridors

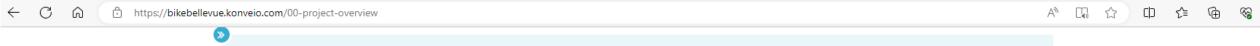
The City of Bellevue has identified 11 corridors to fill gaps in the existing network. Select a corridor below to learn more and provide your feedback. The DRAFT Design Concepts Guide, September 2023 also provides an analysis of each corridor.

- Corridor 01 Northup Way / Northeast 20th Street
- Corridor 02 102nd Avenue Northeast / Northeast 12th Street
- Corridor 03 Northeast 12th Street / Bel-Red Road
- Corridor 04 Bel-Red Road, 132nd to 148th Avenue Northeast
- Corridor 05 Bel-Red Road, 148th to 156th Avenue Northeast
- Corridor 06 Northeast First Street / Northeast Second Street
- Corridor 07 Lake Washington Boulevard Northeast
- Corridor 08 100th Avenue Northeast
- Corridor 09 Wilburton Route
- Corridor 10 116th Avenue Northeast

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Corridor 10 - 116th Avenue Northeast

Corridor 11 - 140th Avenue Northeast

Upcoming Engagement

Meetings

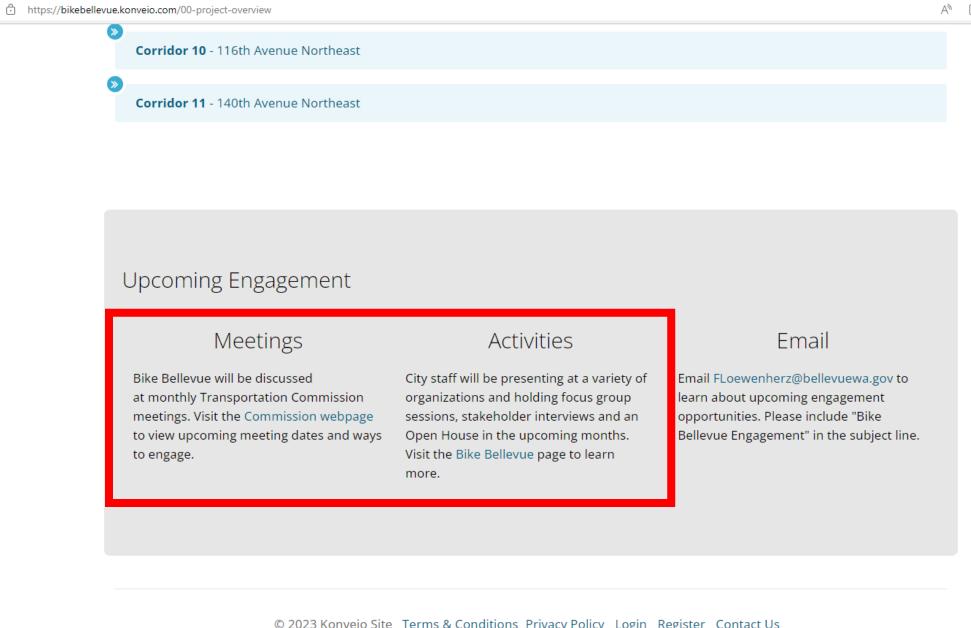
Bike Bellevue will be discussed at monthly Transportation Commission meetings. Visit the Commission webpage to view upcoming meeting dates and ways to engage.

Activities

City staff will be presenting at a variety of organizations and holding focus group sessions, stakeholder interviews and an Open House in the upcoming months. Visit the Bike Bellevue page to learn more.

Email

Email FLoewenherz@bellevuewa.gov to learn about upcoming engagement opportunities. Please include "Bike Bellevue Engagement" in the subject line.



Explore the proposed corridors

The City of Bellevue has identified 11 corridors to fill gaps in the existing network. Select a corridor below to learn more and provide your feedback. The DRAFT Design Concepts Guide, September 2023 also provides an analysis of each corridor.



→ Home

Log In



My Comments

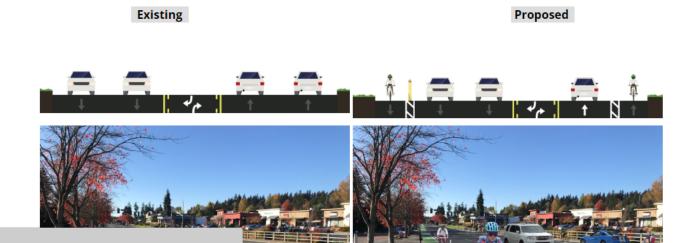


01 - Northup Way / Northeast 20th Street

Review the conceptual design

The Northway Way / Northeast 20th Street corridor is proposed as a buffered bike lane from 120th Avenue Northeast to 140th Avenue Northeast.

The proposed concept reallocates one existing westbound lane to provide one-way buffered bike lanes on both sides of the corridor. The two-way left turn lane will be retained to provide vehicle access to the many businesses on both sides of the street.



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> Existing Proposed



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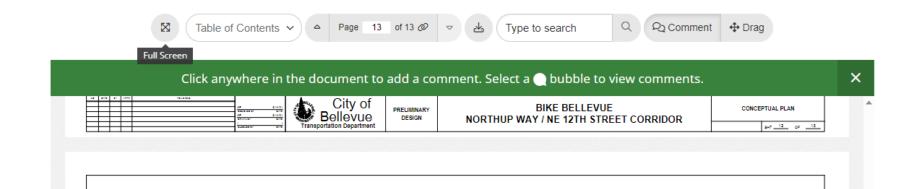


View west along Northeast 20th Street, east of 132nd Avenue Northeast

Provide your feedback

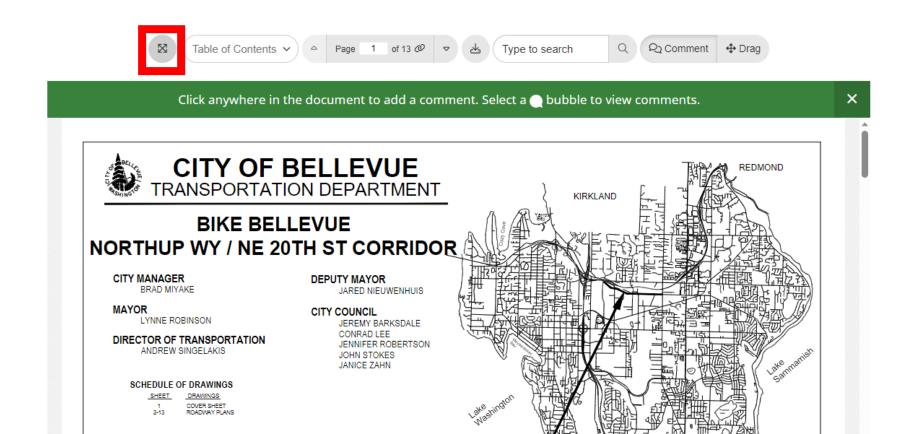
We want to hear your thoughts, comments, questions, and suggestions. Read through the below draft strategies and actions to provide your input.

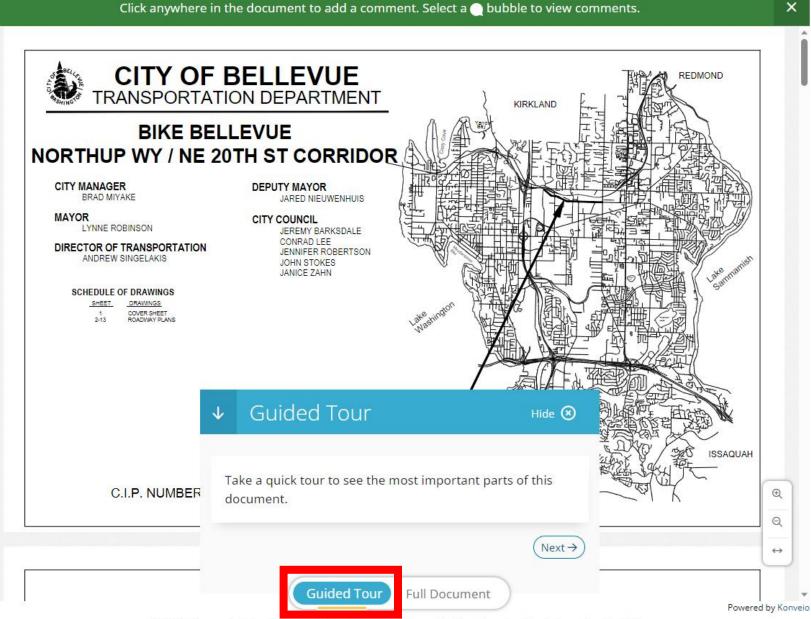
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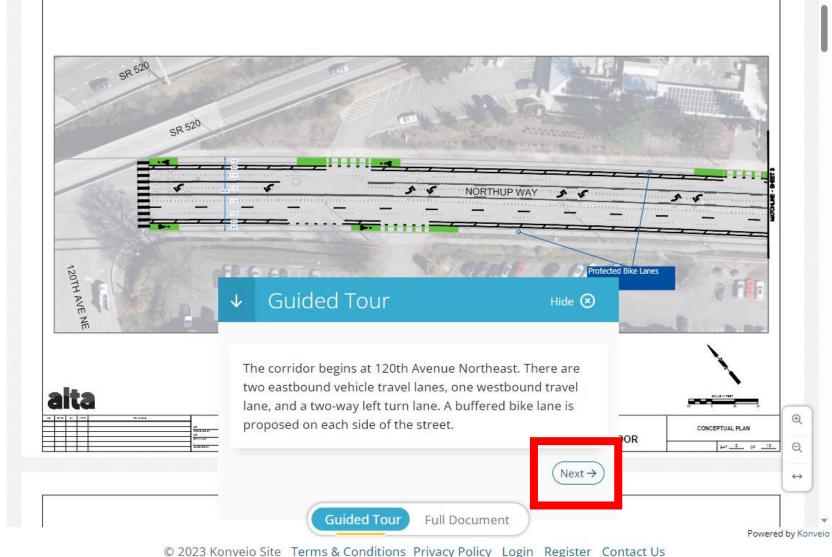


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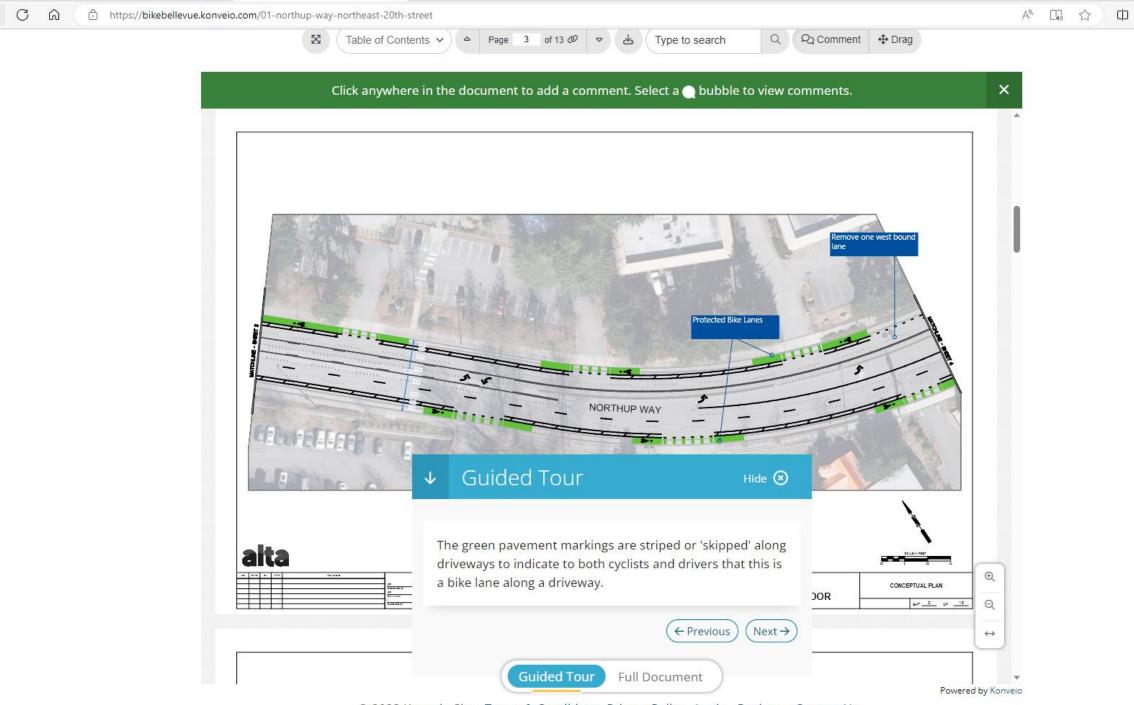
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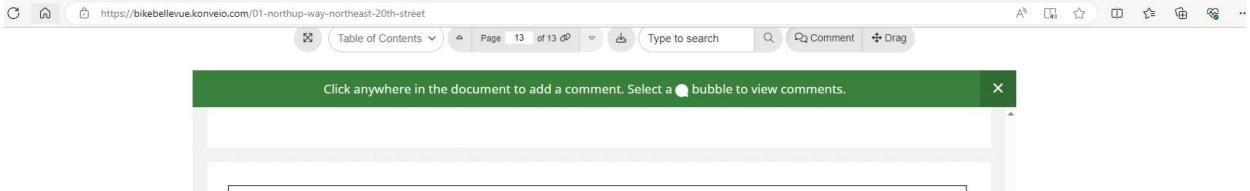


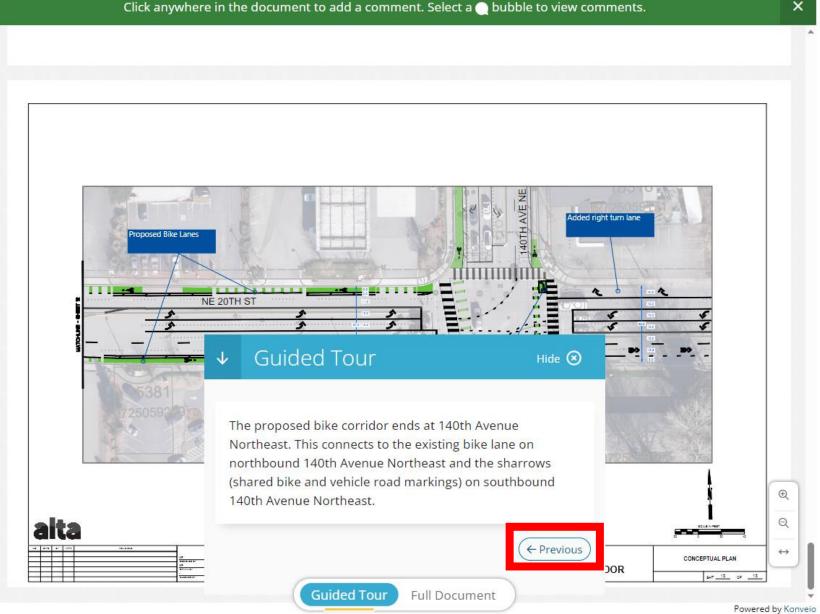


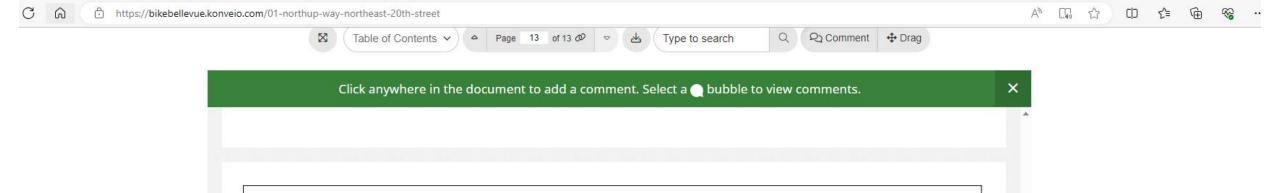


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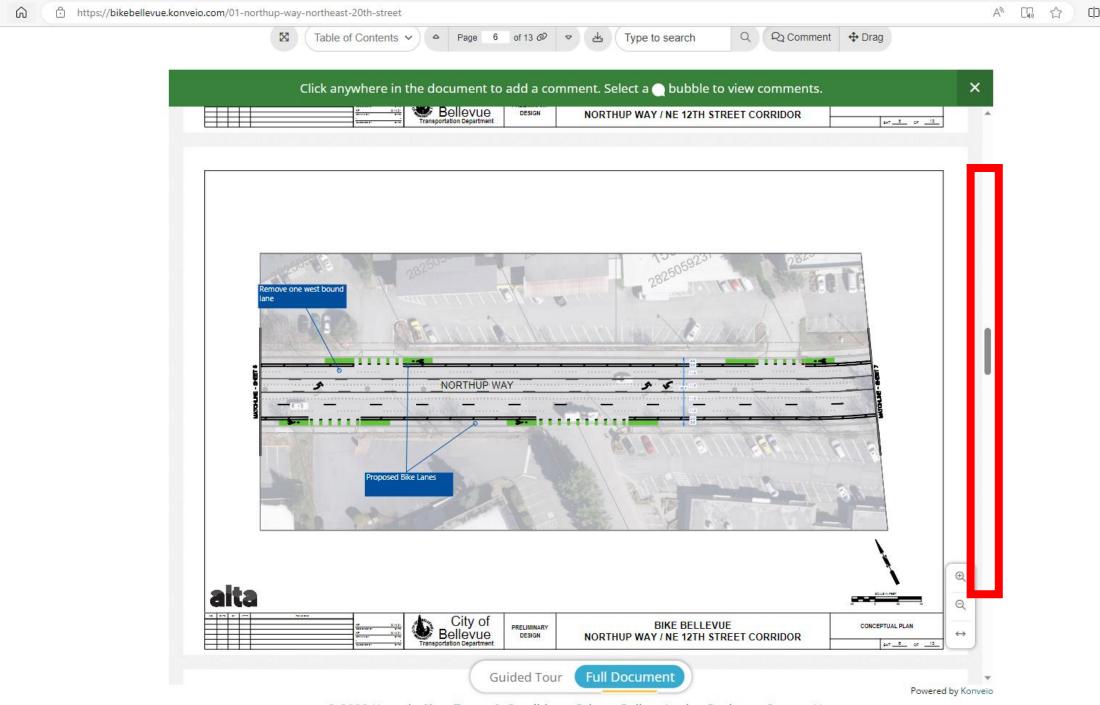


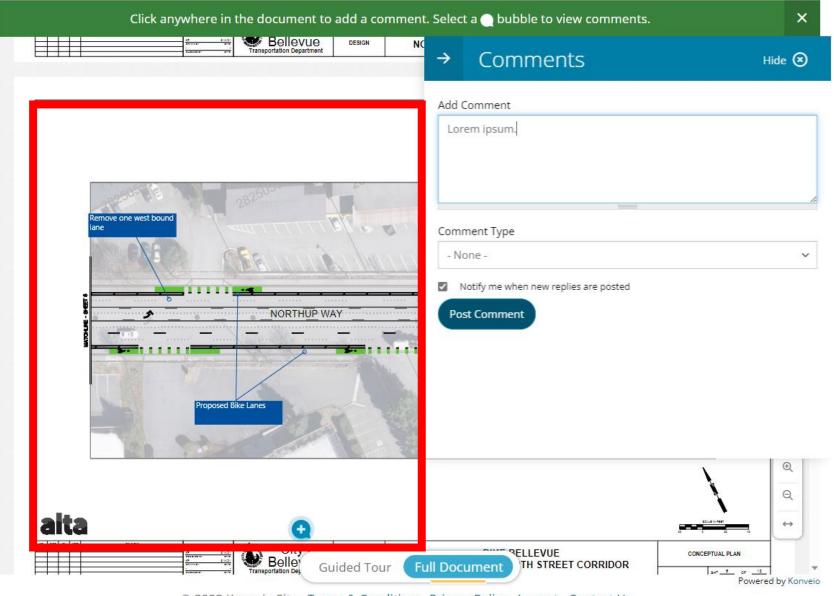


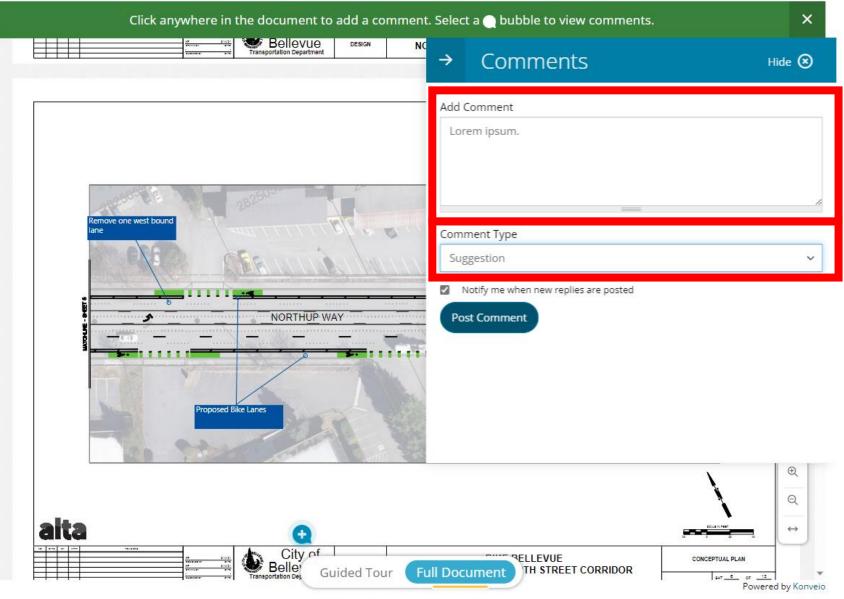
Proposed Bike Lanes

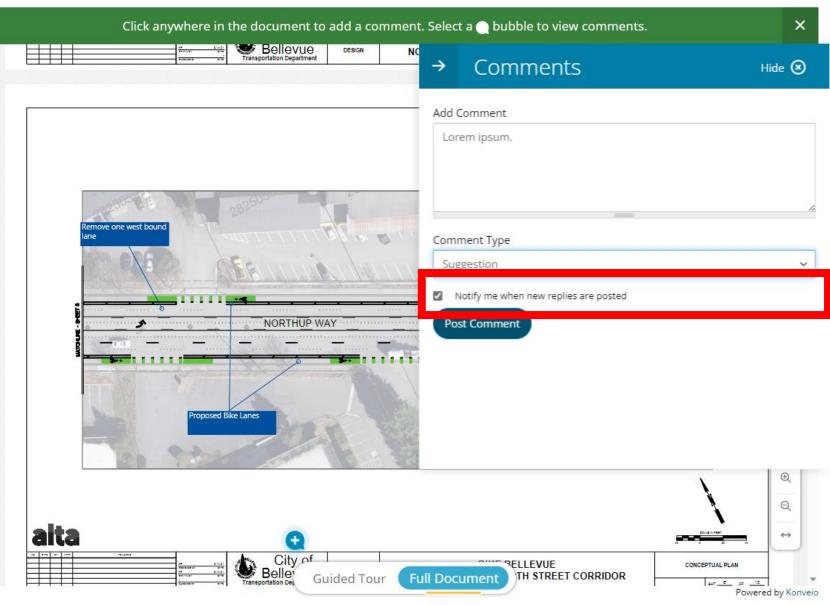
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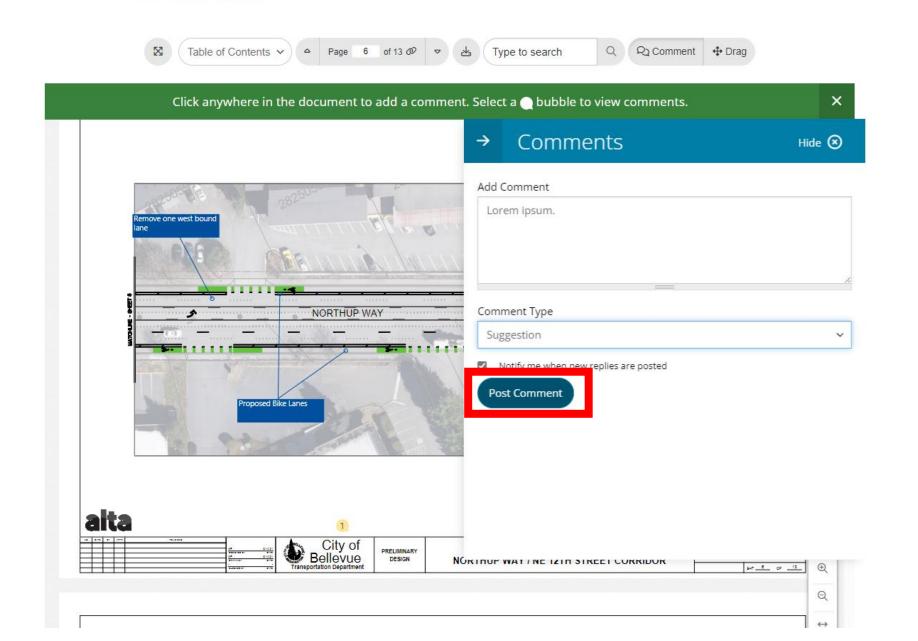
Added right turn lane









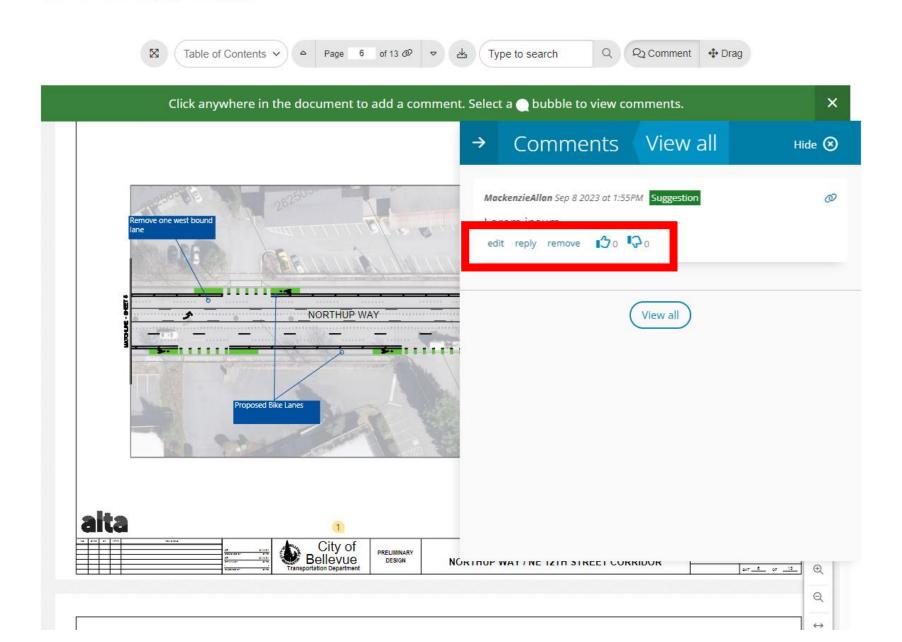


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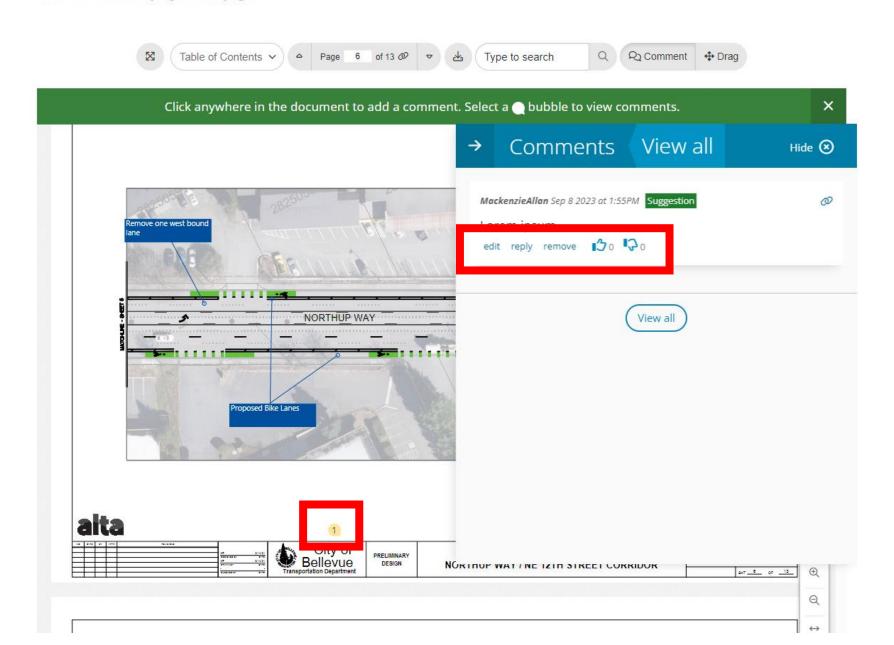


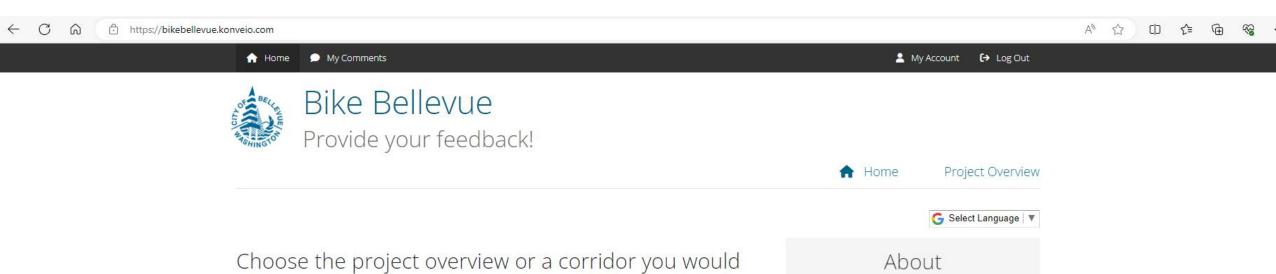
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Sign up for City of Bellevue email or text alerts related to biking and walking here.

You may view and comment on the concept plans for each corridor with a computer, tablet or mobile device. For best use, a computer or tablet with a large screen is recommended.

For alternate formats, interpreters or reasonable accomodation requests please phone 425-452-7925 (voice) or email ghagstrom@bellevuewa.gov.







- Clarifying questions
- Discussion



- December 13, 2023 Bellevue staff will share themes from online engagement tool.
- February 14, 2024 Bellevue staff will prepare BDA representatives to effectively communicate the memberships' perspective in follow-up stakeholder interview session.



For More Information

Project Webpage

https://BellevueWA.gov/bike-bellevue

Franz Loewenherz

Floewenherz@bellevuewa.gov or 425-452-4077



Online Engagement Tool – Comments by November 17, 2023

https://bikebellevue.konveio.com/