

# EASTRAIL

LET'S CONNECT

## Eastrail Regional Advisory Council

Monday, October 18, 2021

1:00 PM - 3:00 PM

--- Virtual meeting by remote technology ---

- 1:00 PM – 1:05 PM     **Introductions and Agenda Review**
- King County DNRP Director Christie True
- 1:05 PM – 1:10 PM     **Approval of July 19, 2021 RAC Meeting Summary**
- King County DNRP Director Christie True
- 1:10 PM – 1:20 PM     **Amazon Funding Donation and Private Sector Engagement (Information Item)**
- Katherine Hollis, Eastrail Partners
  - Jared Axelrod, Amazon
- 1:20 PM – 1:45 PM     **Trail Use Information Management System Plan (Discussion Item)**
- Mike Ullmer, King County Parks and Recreation Division
- 1:45 PM – 2:10 PM     **Federal and State Engagement for Eastrail Trail Support (Discussion Item)**
- Katherine Hollis, Eastrail Partners
  - RAC Members
- 2:10 PM – 2:35 PM     **Eastrail Fiber Project Update (Information Item)**
- Darryl Hunt, King County Information Technology Department
- 2:35 PM – 2:50 PM     **Progress and Success Updates (Information Item)**
- RAC Members
  - Eastrail Partners
- 2:50 PM – 3:00 PM     **Public Comment**

**Adjourn**



## ***EASTRAIL REGIONAL ADVISORY COUNCIL***

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### **DRAFT MEETING SUMMARY**

July 19, 2020 | 1 – 3 PM

Zoom Meeting

**Regional Advisory Council (RAC) Members Present:** Kathy Lambert, King County Councilmember (Chair); Jay Arnold, Deputy Mayor, City of Kirkland (Vice Chair); Ariel Taylor, Sound Transit; Claudia Balducci, King County Councilmember; Christie True, Director, King County Department of Natural Resources and Parks; David Hoffman, Puget Sound Energy; Jessica Forsythe, Redmond Councilmember; John Stokes, Bellevue Councilmember; Les Rubstello, Woodinville Deputy Mayor; Randy Corman, Renton Councilmember; Reagan Dunn, King County Councilmember; Vicky Clarke, Eastside Greenway Alliance

#### **Welcome and Introductions**

Chair Kathy Lambert called the meeting to order at 1:03 pm, welcomed all in attendance to the third RAC meeting of 2021, and reviewed the agenda.

#### **Approval of April 19, 2021 RAC meeting summary**

Councilmember Stokes moved to approve the April 19, 2021 meeting summary. There being no objections, the summary was approved.

#### **Chair and Vice Chair Positions for Term Starting January 2022**

The current RAC Chair and Vice Chair terms began October 2019 and will end October 2021. Existing guidance doesn't dictate the dates of the term beginning or ending. Staff propose adding clarification that terms begin and end at the end of the fourth quarter RAC meeting of odd numbered years.

Councilmember Balducci moved to maintain Councilmember Lambert and Deputy Mayor Arnold as Chair and Vice Chair, respectively; John Stokes seconded the motion, and all were in favor.

Councilmember Lambert will continue as RAC Chair and Deputy Mayor Arnold will continue as RAC Vice Chair for two more years.

#### **Partnership MOU between RAC and Eastrail Partners**

Katherine Hollis of Eastrail Partners and David St. John of King County DNRP introduced the updated MOU between Eastrail Partners and the RAC for member consideration. The new MOU (included in meeting packet) provides structure and guidance for partnership and includes three main elements: ongoing collaboration, priorities for action, and terms. Edits presented in the document were considered by RAC members for approval to then move forward with signature.

- King County's Legal Team recommended adding the following sections around property rights and jurisdictional authority and legal relations to give members additional guidance around roles and ownership.
  - Section 4 (property rights): all RAC members were in favor of including this section for clarity.
  - Section 5 (legal relations): RAC members considered this additional language to be unnecessary and were not in favor of including this addition.
- Deputy Mayor Arnold moved to adopt the amended partnership MOU and release for member signature, Councilmember Stokes seconded. All were in favor and none were opposed; the MOU was approved with edits and will be provided for signature by RAC entity members.

## **Letter to Washington Senators**

Katherine Hollis, ED of Eastrail partners, shared a letter addressed to Washington's Senators encouraging and thanking the legislature to support funding for Eastrail projects in the Senate's work. The letter (included in the meeting packet) will be sent on behalf of the RAC to Senators with Representatives copied. Councilmember Reagan Dunn moved to approve sending the letter on behalf of the RAC, Councilmember Forsythe seconded, and all were in favor. The letter will be transmitted to Washington's Senators as drafted.

## **Trail Visitor Survey & Information Sharing Work Plan – Principals Staff Team Recommendations**

Mike Ullmer of King County provided updates on the RAC user data collection program and management system staff recommendations. A robust data collection program would facilitate storytelling, build awareness of people's experience on the trail, inform decision-making, measure the impact of new segments and connections, illustrate value to funders, and generate data points for grant applications. The data collection plan includes manual counts, intercept surveys, and temporary and permanent automated counters, and will require development of a centralized data storage and catalogue system. An example of a potential dashboard data visualization developed by KCIT was included in the meeting packet. RAC members discussed the following recommendations and questions to provide guidance to staff. Staff will come back in October with a refined proposal.

- #1: create and implement a 10-year data collection and management plan, including methods and plan for acquiring data, data management and access, budgeting, and hardware.
  - RAC members would like more information about what is included in hardware and software, where there is additional data we would want to include that isn't part of the software package, and whether KCIT could build on an off-the-shelf product.
  - RAC members would also like to know how much the full system would cost to develop. Staff are still working with KCIT on scoping data management system and will report back in October with a refined proposal and cost estimates. Cost-sharing details are being worked out for database development and maintenance, but the plan assumes jurisdictions would pay for counters within their boundaries.
- #2: secure resources for purchase, installation, and ongoing O&M for data collection at seven desired counter locations.
  - Six of the counters would be lower profile and cost ~\$6,500 each. One totem-style counter proposed in Bellevue with real-time data costs ~\$35,000.
  - Counter locations were selected to provide even coverage, measure changes in use with new projects, and provide snapshots of use on different segments. Bellevue was chosen for the totem counter as it includes an iconic piece of the Eastrail. Higher use is also expected between NE 8<sup>th</sup> and the Northup Way connector so it would be useful to have a more visible counter at that location.
  - No counters considered at this time will include video data collection to avoid data retention and privacy concerns. Current hardware selections also won't capture speed, although they could help identify areas with speed issues in the future.
- Recommendation #3: continue current manual count locations in 2021 and beyond using 2020 protocols.
  - Without automated counters, manual counts will be only way to collect this data.
- Recommendation #4: create and implement a data management system, securing technical expertise to scope and build the system, identify common data needs, and determine what we want data to do.

- Staff expect that dashboard creation and refinement will take six months to a year.
- Recommendation #5: develop tool for collecting and managing qualitative information about Eastrail beyond just trail use data.
  - RAC members want to know about trail usage by segment, how people are using Eastrail as a transportation corridor, which segments are highly used, as well as first and last mile data about transit connections.
  - RAC members would prefer annual trail use updates with details about seasonal usage but would welcome more frequent staff updates to report observations related to safety concerns or success stories. The online dashboard could also include a place for users to report safety concerns or other issues such as litter, etc.
  - RAC members are in favor of on-demand data via online dashboard as well as social media posts to raise awareness.

### **Co-Creation Event Planning**

Debbie Lacy of Eastside for All and Joe Inslee of King County provided updates on planning for [Welcoming Week](#) as a co-creation and community engagement event related to Eastrail. This effort is intended to build ongoing relationships and serve as a model for future efforts and partnerships.

- Staff are facilitating a co-creation process with several community-based organizations in East King County—including the Immigrant Women’s Community Center, 4Tomorrow, Indian-American Community Services, and Friends of Bellevue Cross-Cultural Center—and are working to build ongoing relationships.
- The event will occur between September 10-19 (final date will be decided soon) and logistical planning for the event is underway.
- Staff are gathering options to share with community partners for decision-making about event location. It might be two locations with some walking in between.
- There is an event on Friday, July 23 about transformative placemaking and designing for equity. Registration is available [here](#) and Joe Inslee will share the recording with RAC members.

### **Progress and Success Updates**

Eastrail Partners – over 65 people attended an event near the Google campus on the Cross-Kirkland Corridor to highlight how the Eastrail and state funding for the trail can integrate with the transportation system.

Bellevue – Eastrail keeps coming up in discussions about other efforts, including the Grand Connection across I-405 and the Wilburton redevelopment, which is exciting.

King County – currently going to bid soon on the segment between Kirkland and Woodinville and in early August will go to bid on the NE 8<sup>th</sup> Street Crossing. A large portion of the segment south of Bellevue and I-90 is now open and another segment will be open at the end of the summer.

### ***Fiber Project Update***

- No significant schedule changes, staff are working on the second RFP draft to PST members and project agreements. The MOU final draft was distributed and is now in legislative and leadership

review cycles for Redmond, Kirkland, Woodinville, and King County. Staff are also working on the cost recovery and revenue sharing agreement and vendor services contract.

- The next steps are for Eastrail owners to review and execute the MOU. Staff will also receive edits to the second draft of the RFP by mid-August to then put it into King County's procurement template.

Kirkland – improvements by SRM Development via Google's campus expansion include a paved and separated trail plus public restrooms and other public and park facilities.

Redmond – received \$2.13M from PSRC for the Redmond Central Connector. They are hoping to begin design in early 2022 with potential construction starting in 2023. Construction is also underway for light rail and the Redmond Central Connector through downtown.

Renton – Renton and King County staff are continuing discussions about securing the BNSF railway past milepost 5 down to Coulon Park. In the 2021 legislative session both Senate and House transportation plans contained \$6M to extend the dead end at milepost 5 to Coulon Park but will need a new funding package (currently placeholders). Construction will begin in August to retrofit the May Creek Trestle.

#### **Public comment**

- No public comment was registered.

The meeting recording is available here: <https://kingcounty.gov/council/issues/erc/2021-meetings.aspx>. Interested parties should send comments to [eastrail@kingcounty.gov](mailto:eastrail@kingcounty.gov). Joe Inslee will compile any comments received.

#### **Next steps and adjournment**

The next meeting is Monday, October 18<sup>th</sup>.  
The meeting adjourned at 2:45 pm.

# Eastrail Partners Model for Private Sector Investment & Celebrating Amazon's \$7.5M Project Funding



# Federal and State Funding Processes

## Federal

Three Eastrail Projects were included in House INVEST Act:

- \$2M Totem Lake Connector Bridge (Delbene)
- \$3M Redmond Central Connector III (Delbene)
- \$1.6M Signal Crossing at SE 1<sup>st</sup> St, Bellevue (Smith)

No INVEST Act projects carried over into Senate legislation.

Likely to see increases in program funding for a number of federal grant programs Eastrail projects would qualify for.

With partners, we did sites visits with Reps. DelBene and Smith in August and September.

## State

\$29M total Eastrail projects included in Senate and House new revenue transportation budgets.

Project funding includes:

- \$6M for acquiring trail extension into Gene Coulon Park
- \$18M for the I-90 Steel Bridge and adjoining trail segments
- \$5M for SR202 widening in Woodinville

Rep. Slatter continues to champion these Eastrail projects.









# EASTRAIL

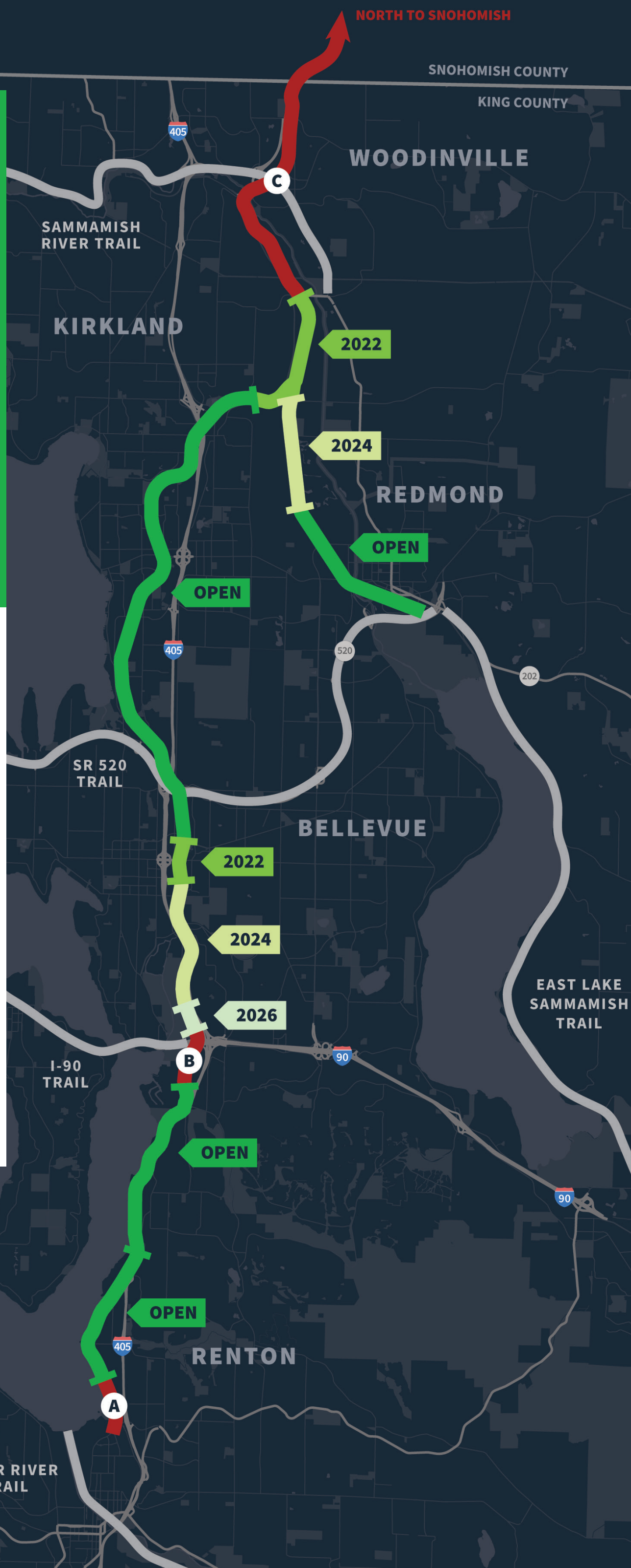
## Priority Requests for Washington State Funding

- A** Connection to Gene Coulon Park and Southport
- B** I-90 Steel Bridge and Connecting Trail Segments
- C** SR202

## Anticipated Trail Connections 2020-2026

Years shown reflect assumptions that are current as of October 2021 and are subject to change based on new information

- OPEN** OPEN
- 2022** OPEN BY DEC 2022
- 2024** OPEN BY DEC 2024
- 2026** OPEN BY DEC 2026
- NOT YET FUNDED** NOT YET FUNDED



# Eastrail Data Collection Update Presentation

2021 Manual Count Update and Data Collection Recommendations  
for the Eastrail Regional Advisory Council (RAC)

October 18, 2021



# Presentation Outline

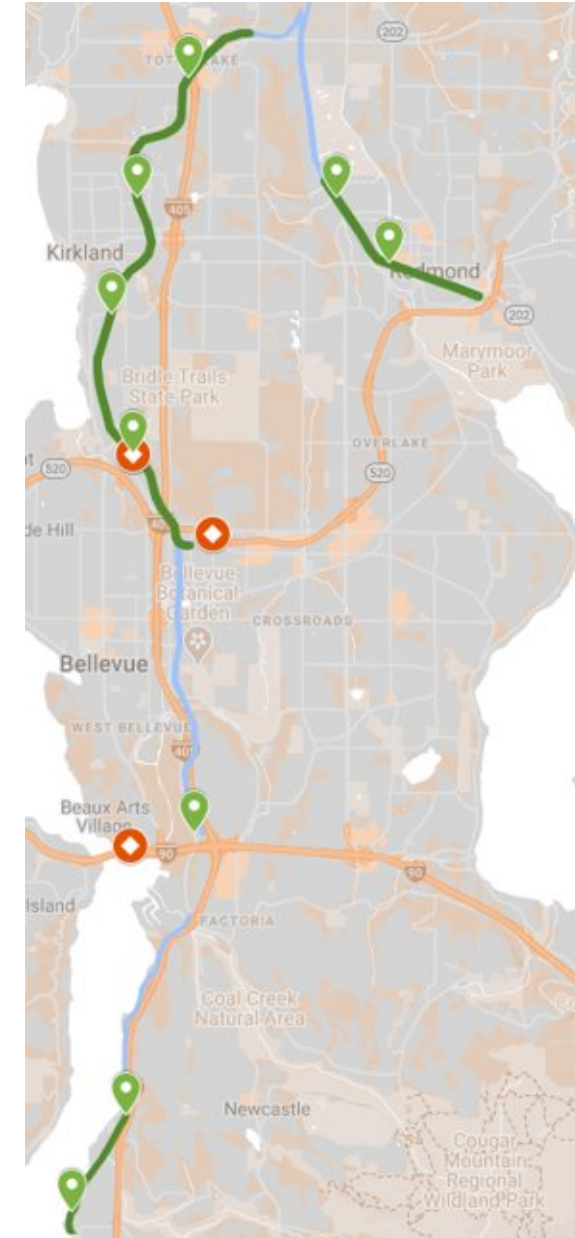
- 2021 Manual Count Initial Results
- Overview of Eastrail Trail Use Information Management Scoping Document
- Overview of Upfront Costs
- Questions and discussions



# 2021 Eastrail Manual Count Update

- Two dates:
  - Saturday Sept 25th – 11am-1pm
  - Tuesday Sept. 28 – 7am-9am and 4pm-6pm
- Nine locations: Snohomish, Kirkland, Redmond, Bellevue, Renton.
- RAC entities secured volunteers
- Volunteers counted type of user, direction of travel
- Methodology Consistent with Annual Bicycle and Pedestrian Count

\* Pilchuck Trailhead count location not shown



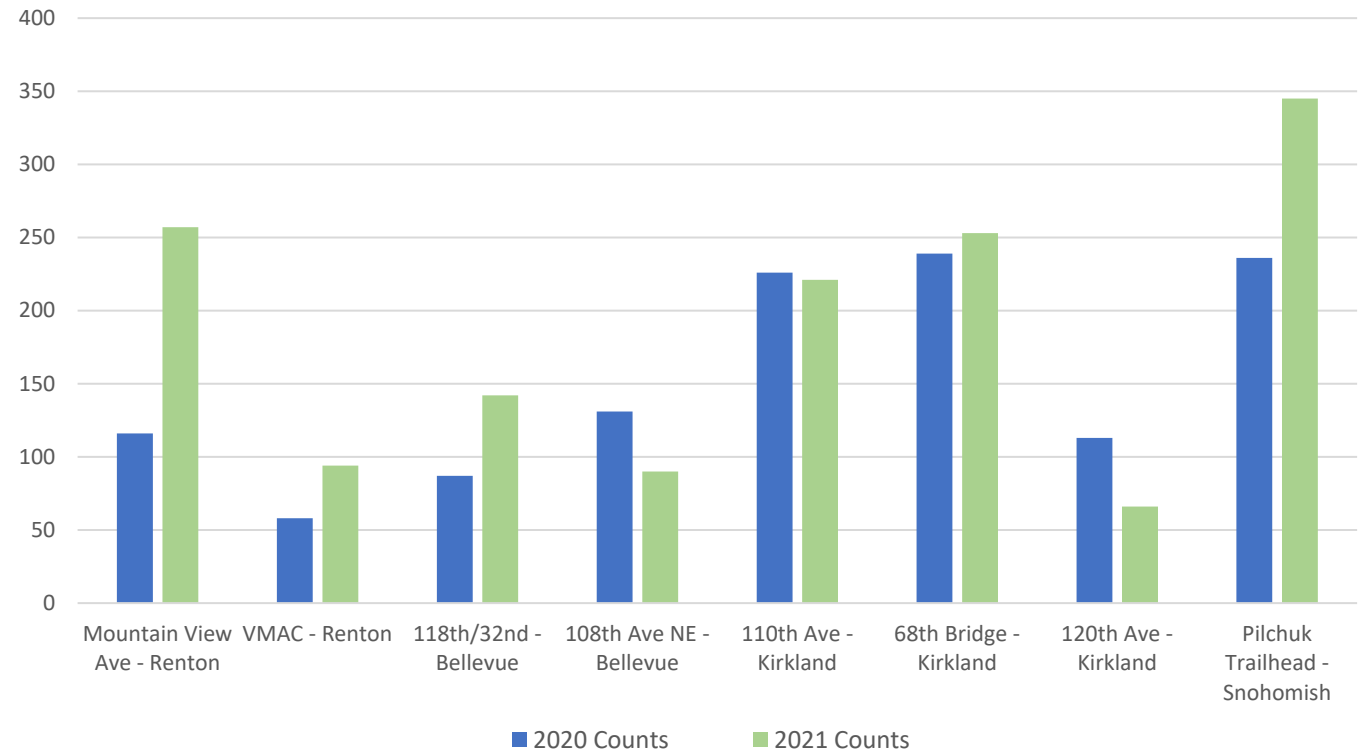
- Manual Count
- Permanent Counter

# 2021 Eastrail Manual Count Update

## Preliminary Results and Observations

- Saturday (sunny/warm) and Tuesday (scattered showers)
- Cumulative total -13% from 2020\*
- Tuesday AM/PM counts -32% from 2020\*
- Saturday counts +22% from 2020\*
  
- Drastic increase in bike counts at VMAC and Mountain View Ave in Renton
- Reliance on volunteers for counts can lead to data gaps

Saturday 2020-2021 Count Comparison - Bikes and Peds



\* Sites without both 2020 and 2021 data are not included in cumulative total or on graph



# Eastrail Trail Use Information Management System

## Information Management Objectives

- Keep the system simple and adaptable
- Build awareness of trail use
- Measure impact of new Eastrail segments
- Develop competitive grant applications

## Intended Users of the System

- Decision makers
- Trail Planners/Developers
- Partners and Funders
- Public and Community Leaders

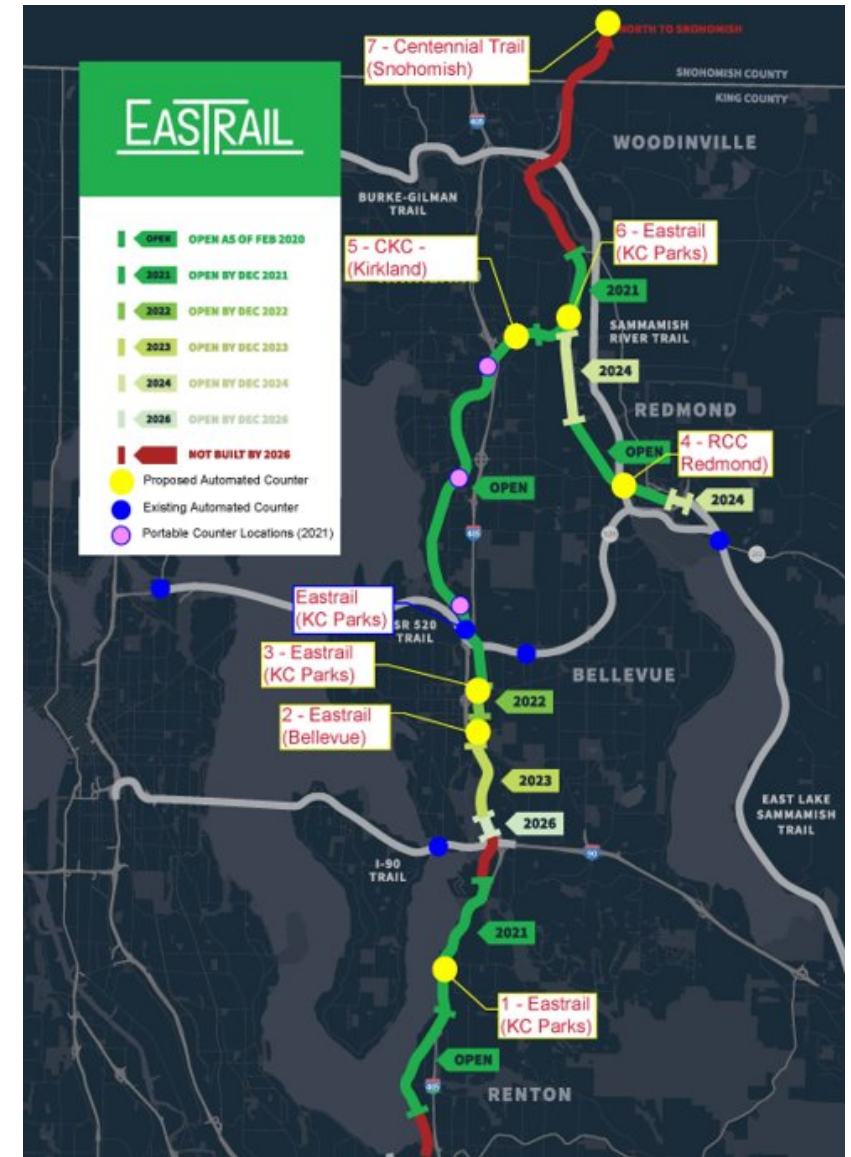




# Eastrail Trail Use Information Management System

## Data Collection Techniques and Tools

- **Manual Counts (1x/year)**
  - Mode, volume, direction
  - 10 locations along Eastrail
- **Automated Counters (24/7)**
  - Mode, volume, direction, time of day
  - 7 new counters across Eastrail
- **Intercept Surveys (as needed)**
  - Demographics, safety, primary use, trip length
  - Locations TBD



Automated Counter Location Map

# EASTRAIL

**OPEN** OPEN AS OF FEB 2020

**2021** OPEN BY DEC 2021

**2022** OPEN BY DEC 2022

**2023** OPEN BY DEC 2023

**2024** OPEN BY DEC 2024

**2026** OPEN BY DEC 2026

**NOT BUILT BY 2026**

Proposed Automated Counter

Existing Automated Counter

Portable Counter Locations (2021)

6 - Centennial Trail (Snohomish)

NORTH TO SNOHOMISH

SNOHOMISH COUNTY

KING COUNTY

WOODINVILLE

BURKE-GILMAN TRAIL

5 - CKC - Totem Lake Connector Bridge (City of Kirkland)

5 - Eastrail (KC Parks)

2021

SAMMAMISH RIVER TRAIL

2024

REDMOND

4 - RCC - 161st Ave NW (City of Redmond)

OPEN

2024

OPEN

405

520

202

Eastrail (KC Parks)

SR 520 TRAIL

3 - Eastrail - Wilburton Station (KC Parks)

BELLEVUE

2022

2 - Eastrail - SE 1st St. (City of Bellevue)

2023

2026

I-90 TRAIL

90

EAST LAKE SAMMAMISH TRAIL

2021

1 - Eastrail - Lake Lanes Segment (KC Parks)

OPEN

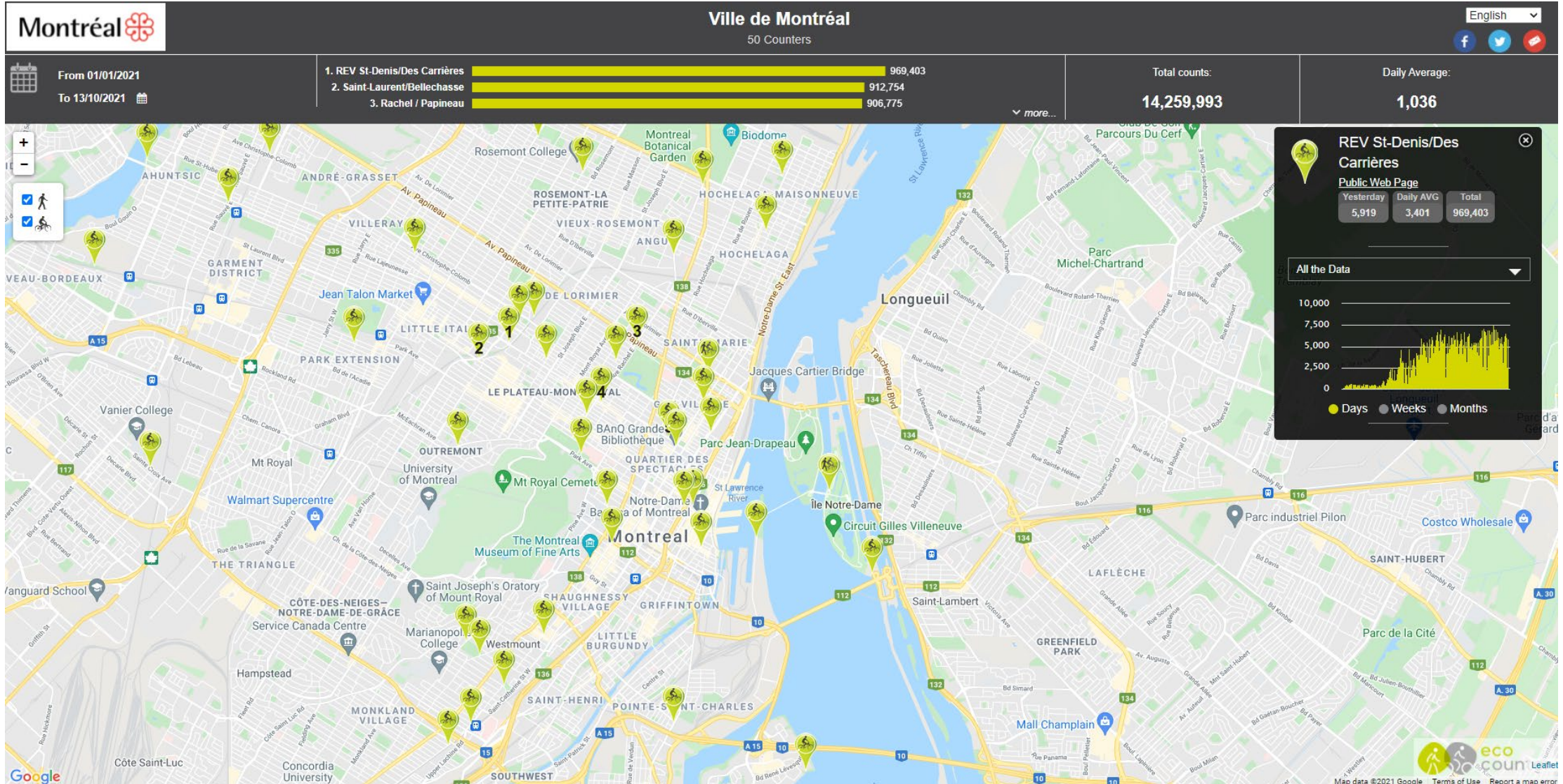
405

RENTON

CEDAR RIVER TRAIL



# Eastrail Trail Use Information Management System



Example data portal from City of Montreal hosted by Eco Counter



# Eastrail Trail Use Information Management System

## Timeframe for Implementation

- 2021-2022
  - Secure funding
  - Continue manual counts
- 2023-2024
  - Acquire/install hardware
  - Continue manual counts
  - Develop tool for qualitative data collection
  - Build information management system
- 2024-2030
  - Evaluate/adapt manual counting strategy
  - Ensure funding is sustained
  - Begin data sharing and reporting
  - Evaluate overall system effectiveness and adapt as necessary (2030)



# Overview of Upfront Costs

Appendix A - New Eastrail Automated Counters Cost Overview						
Equipment Owner	Counter Location	Estimated Install Year	Counter Type	Equipment Costs	Ongoing Costs	Data Portal Costs
King County	Renton Segment	2023	Eco-Multi Unit	\$6k Unit + \$1.5k install	\$420 annual data fee + \$125 2-year battery	\$3,600 initial set up fee
	Wilburton Station	2024	Totem Unit	\$35k Unit + \$2.5K Install	\$420 annual data fee	
	Kirkland to Woodinville Segment	2023	Eco-Multi Unit	\$6k Unit + \$1.5k install	\$420 annual data fee + \$125 2-year battery	
<b>King County Total Cost</b>				<b>\$52,500</b>	<b>\$2,770 Bi-annual</b>	<b>\$3,600</b>
Bellevue	SE 1st St.	2023	Eco-Multi Unit	\$6k Unit + \$1.5k install	\$420 annual data fee + \$125 2-year battery	n/a
<b>Bellevue Total Cost</b>				<b>\$7,500</b>	<b>\$965 Bi-annual</b>	<b>\$0</b>
Kirkland	Totem Lake Connector	TBD	Eco-Multi Unit	\$6k Unit + \$1.5k install	\$420 annual data fee + \$125 2-year battery	n/a
<b>Kirkland Total Cost</b>				<b>\$7,500</b>	<b>\$965 Bi-annual</b>	<b>\$0</b>
Redmond	RCC north of 161 <sup>st</sup>	2023	Eco-Multi Unit	\$6k Unit + \$1.5k install	\$420 annual data fee + \$125 2-year battery	n/a
<b>Redmond Total Cost</b>				<b>\$7,500</b>	<b>\$965 Bi-annual</b>	<b>\$0</b>
Snohomish County	Centennial Trail South	TBD	Eco-Multi Unit	\$6k Unit + \$1.5k install	\$420 annual data fee + \$125 2-year battery	n/a
<b>Snohomish County Total Cost</b>				<b>\$7,500</b>	<b>\$965 Bi-annual</b>	<b>\$0</b>



Eco-Multi Unit (Eco Counter)



Totem Unit (Eco Counter)

\* Table does not include staff time and costs required for O&M of automated counters.

# Questions/Discussion

Questions/Comments?







King County

October 18, 2021



# Fiber and the Eastrail Trail

Building new communications infrastructure in the Eastrail

# The Project Parties; Eastrail Owners Property Rights in Eastrail Corridor

Easement rights	
Fee ownership	

	King County	Sound Transit	PSE	Woodinville	Kirkland	Redmond
<b>Main Line (MP*)</b>						
5.0-12.4	7.4	7.4	7.4			
12.4-13.5	1.1	1.1	1.1			
13.5-14.8	1.3	1.3	1.3			
14.8-20.3	5.5	5.5	5.5		5.5	
20.3-23.8	3.5	3.5	3.5			
23.8-26.0	2.2		2.2	2.2		
<b>Redmond Spur (MP*)</b>						
0.0-3.4	3.4	3.4	3.4			
3.4-7.3	3.9	3.9	3.5-5.2			3.9



What are we  
thinking about -

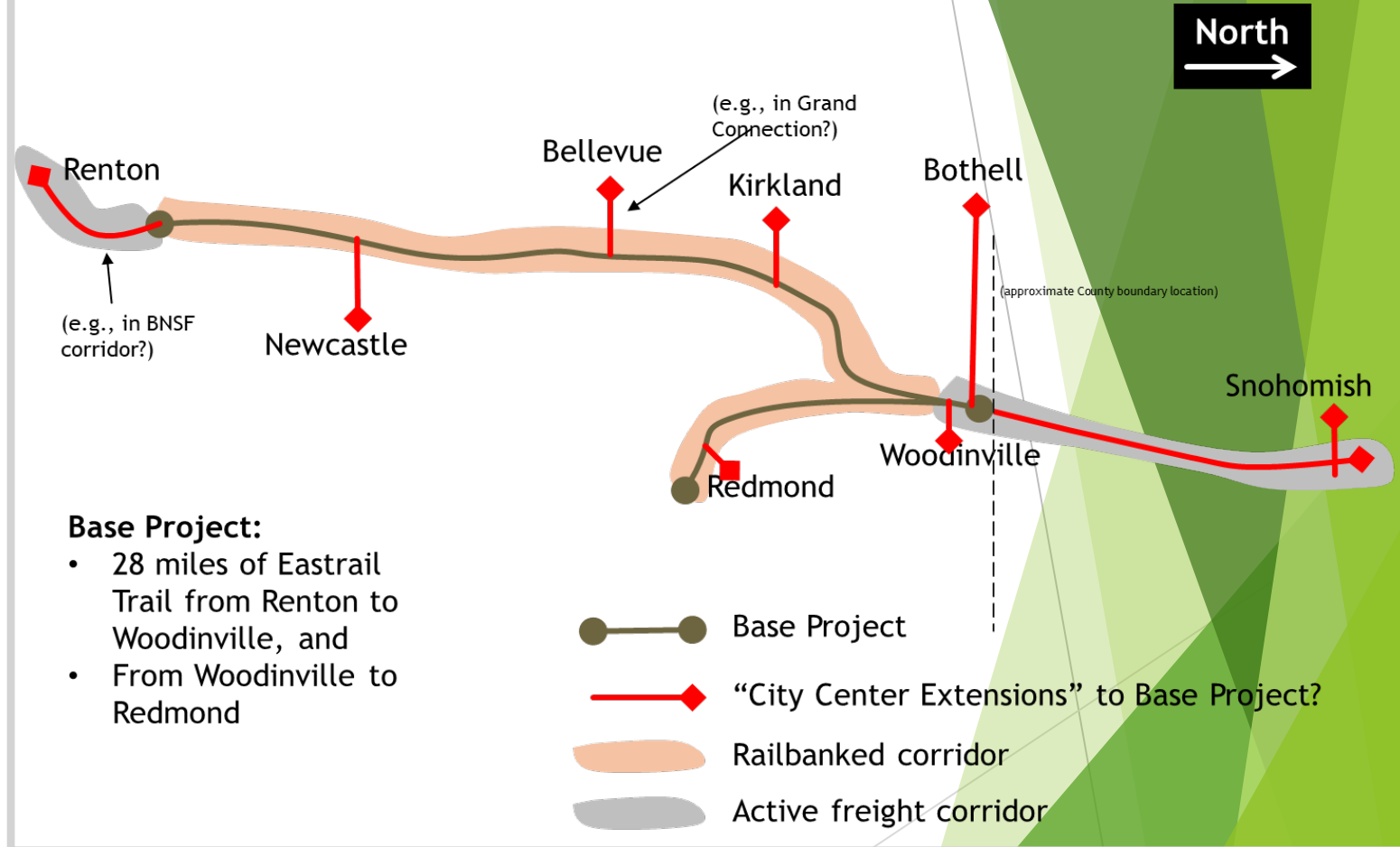
“Fiber in the  
Eastrail Corridor”

# The Eastrail

42 miles of continuous trail through Snohomish

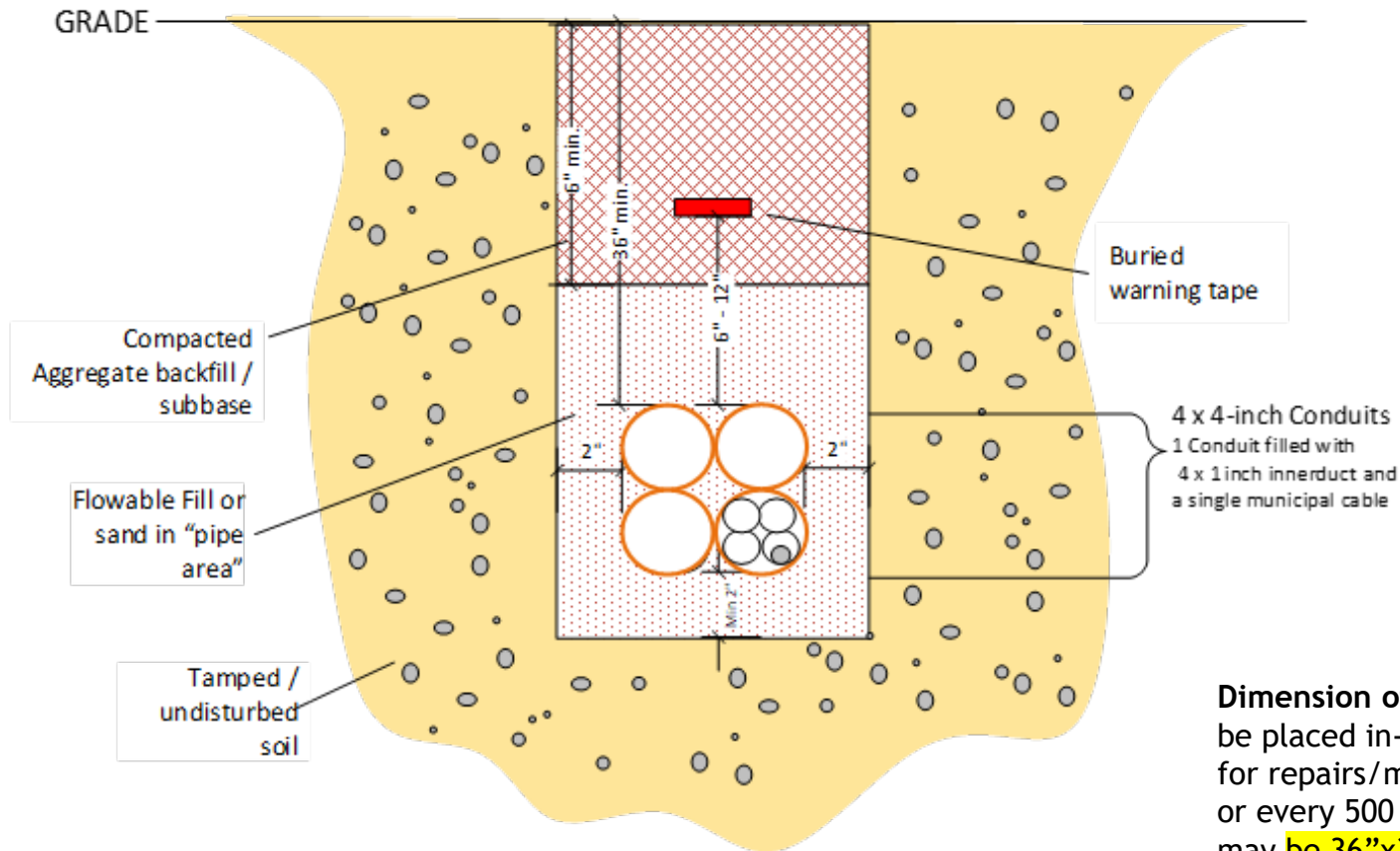


*Eastrail Fiber Build Base Project Extents (not to exact scale)*



### Width of Infrastructure

The width of the trench, is dependent on the duct diameter. Below is the examples of consultant trench sizing estimated at **2.5 -3 feet in width**.



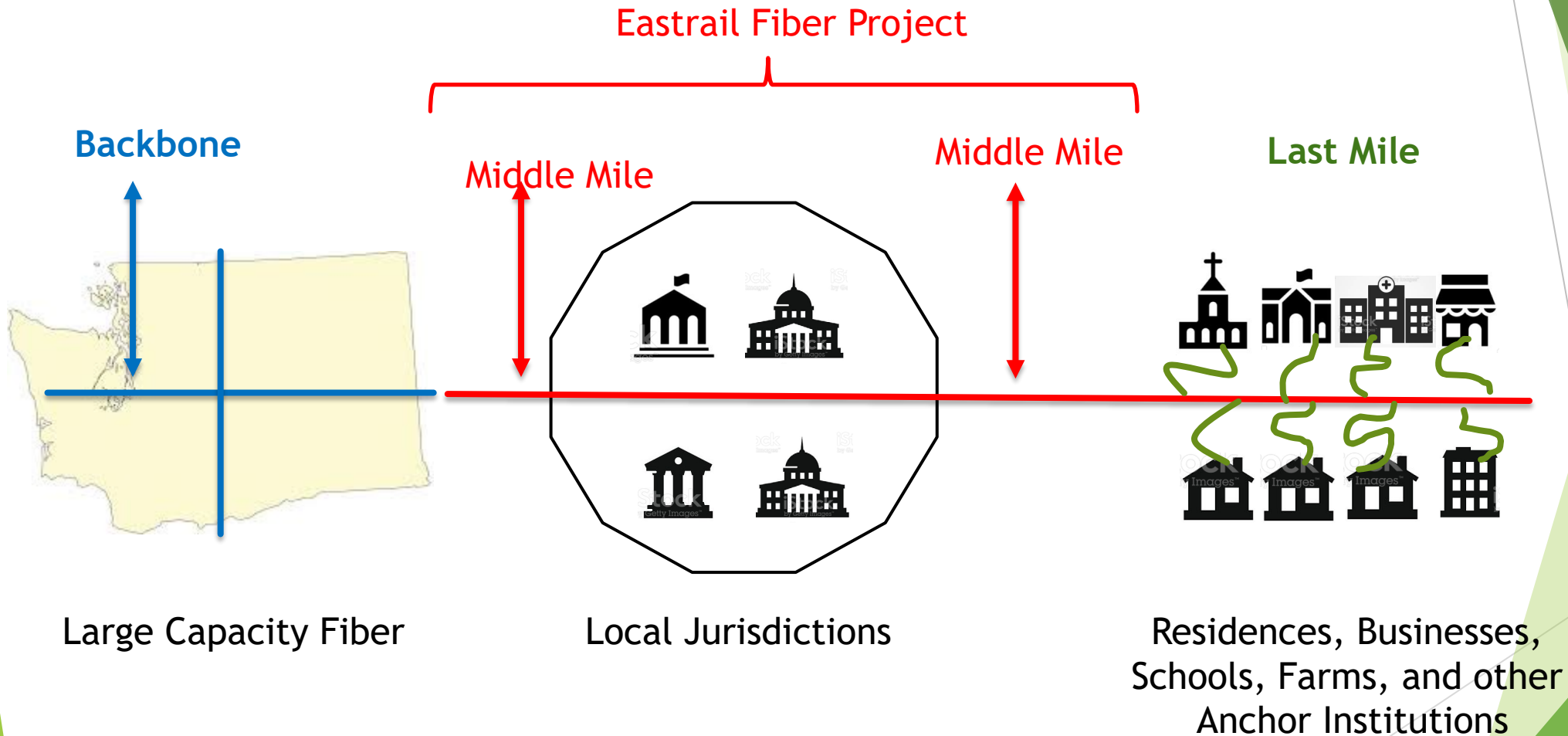
### Depth of Conduit:

Underground cables are pulled in conduit that is buried underground, usually **3-4 feet deep** to reduce the likelihood of accidentally being dug up.

**Dimension of service handholes:** Individual handhole boxes will be placed in-line to meet conduit and installed for access to fiber for repairs/maintenance. As required by the contract documents or every 500 to 1000ft. Unless otherwise stated, handhole boxes may be **36"x36"x8"** (LxWxD). Estimating 150 Handholes. along the **Eastrail**



# Middle Mile Vs. Last Mile Fiber



**Middle mile** often refers to the network connection between the internet and the last mile. Private providers and separately funded Eastrail Owners projects will extend the project into last mile priority areas

**Last mile**, or Fiber to the premise (FTTP) often refers to fiber optic cable installed directly to a home, business school, farm, church, etc.,



# Anticipated Agreements and RFP Solicitation

## Anticipated Legal Deliverables

### 1. Property Rights MOU

**Description** = Roadmap guiding Eastrail Owner intent and project collaboration.

**Status** = Group ratified moving thru Eastrail Owner approval processes.

### 2. Vendor Service Contract

**Description** = Common lease template, contractual arrangements between Vendor and Eastrail Owners

**Status** = Draft of agreement has not started)

### 3. Eastrail Owner Agreement

**Description** = Governs post project fiber allocation, rights, use conditions, maintenance cost and revenue-sharing model.

**Status** = Group consensus on draft assumptions and local models to we'll build on. Draft of agreement has not started)

## Procurement Approach “Goods and Services Vs. Public Works

### County Code/State Statute

Real Property Code—KCC 4.56.160

### RFP Will Seek Proposals for

1. Private Partnership
2. Public-Private Partnership

### Fiber Ownership

Regardless of the business model selected, the Eastrail Owners require a minimum of 1 conduit and fiber for Eastrail Owner’s unrestricted use.

Final terms will be based on vendor proposals from the RFP solicitation.

### Time

As of 10/13/2021 (the last Eastrail Owners mtg) the revised RFP advertisement date is projected for late Q1-2022 or early Q2-2022.



**King County**

October 18, 2021

**Thank  
You!**