



# Kesiwinin ewe Interstate Bridge Program – Mwich fengen an ach ei Community

November 2021

# Ren omw kopwe fiti ewe Zoom Webinar

- ▶ Kich mi awora chon chiaku ren ASL.
- ▶ Iei sipwe porous fengen mwirin ei presentation ika pwe ee or ami kapas eis. Kose mwochen kopwe aea ena minen chat ren ika ee or omw kapas eis.
- ▶ Sipwe aea ekkewe Zoom polls non unusen ei webinar. Kopwe fiti ena Zoom webinar ika pwe ke mwochen fifiti kich.
- ▶ Ika pwe mi or osukosuken noumw na mecha, kose mwochen aea ena Zoom chat ika kokori, **360-329-6744**

# Ren porousen ach Agenda ren Ikenai

- ▶ Program overview
- ▶ Ekkewe option ren ekkewe preliminary design
- ▶ Kopwe ifa usun omw kopwe wanong ika submit omw ewe feedback ika mefiom kewe me omw kopwe stay connected
- ▶ Kapas eis

**Ren ekkewe chon fiftikich iwe mi or fansoun ar repwe pwan wanong mefier kewe non ei webinar**

**Ekkewe chon fifitikich iwe ikkei  
met sipwe ani kapas eis ngenir:**

**Ke rong me ian porousen ei event?  
(kose mwochen fini meni ee fichi ngonuk)**

- ▶ IBR Website
- ▶ IBR Newsletter
- ▶ IBR Social Media
- ▶ Word-of-Mouth (chienomw, famini, chienomw me angang, eseian.)
- ▶ Advertisement (non taropwe ika won radio)
- ▶ Community-based organization
- ▶ Pwan ekkoch



# Program Overview

# Pwata sa need sipwene siwini ewe Interstate Bridge?

- ▶ Ren euechan nefinen Oregon me Washington me ewe anen trade.
- ▶ Mi tongeni epwe turutiw ika fen tatiw ika pwe ee ku ew earthquake
- ▶ Ese chiwen atawei ekkewe mwochen ren ikenai ren commerce me ach sasa won

*Ren pwokiten aa watteno ach ei community  
iwe ewe modern connection epwe kawor*

*Ewe IBR program nge repwe anganga me update ewe angang ren ar repwe anisi me kuta ewe solution mi ku met ewe an ewe community ren met ewe re mwochen epwe akomw me epwe foroch ren faniten ach ei transportation system reniei, me non ekkan ran mwach.*

# Ach sipwene pwopwutani ewe IBR Efforts

- ▶ Bi-state Memorandum ren ewe Intent iwe aa sain me ren Governors Brown me Inslee me non ewe November 2019
- ▶ \$80 million funding dedicated seni OR me WA ren fan ewe May 2021
- ▶ Bi-state legislative committee re wisen oversight me emweni ununun ei program
- ▶ ODOT me WSDOT ra angechu ren ar repwe emweni ei program ren faniten repwe angang fengen me ekkewe wanu ekkoch bi-state partner agencies
  - TriMet
  - C-TRAN
  - Oregon Metro
  - SW WA Regional Transportation Council
  - City of Portland
  - City of Vancouver
  - Port of Portland
  - Port of Vancouver



Ei sassing fichien ewe Office of Governor Kate Brown



# Recommendation me Decision-Making Framework

- ▶ **Program Administrator** ee wisen emweni angangen ekkei program me wato ekkewe consensus recommendation ngeni ewe appropriate deicision makers, tori ekkewe level ren governors
- ▶ **Bi-State Legislative Committee** awora insight me emweni ekkei program an epwe develop ar kewe angang
- ▶ **Executive Steering Group** ee wisen awora ewe emwenin regional leadership me recommendation ren ekkewe dkey program development topics
- ▶ **Program Advisory Groups** ee wisen awora ewe input an ewe community me ekkewe feedback ngeni ekkewe program
  - Community Advisory Group
  - Equity Advisory Group
- ▶ **Ekkewe ekkoch Decision Makers fengen me Jurisdictional Authority** pachenong federal partners, permitting agencies, transportation commissions, eseian.

# Ekkei Onu Osukosuk:

Non ekkewe mwicheich an ach ei community, sa sinei ekkewe osukosuken ekkewe akomwan angang ika planning work ren ekkei osukosuk iei ren eseor chon anganga.



**Safety:** Narrow lanes, no shoulders, poor sight distances, bridge lifts, and substandard ramp merging and diverging contribute to accidents.



**Impaired freight movement:** Congestion and bridge lifts slow down freight carrying goods along I-5, a critical economic trade route on the west coast.



**Congestion:** Over 138,000 vehicles crossed the Interstate Bridge each week day in 2018, resulting in 7 to 10 hours of congestions during peak travel times.



**Seismic resiliency:**

In a major earthquake, the bridge would likely be substantially damaged, potentially beyond repair.



**Inadequate bike & pedestrian paths:** Narrow shared-use paths, low railing heights, and lack of dedicated pathways impede safe travel.



**Limited public transportation:** Limited transit options and existing bus service can be unreliable due to traffic congestion and/or bridge lifts.

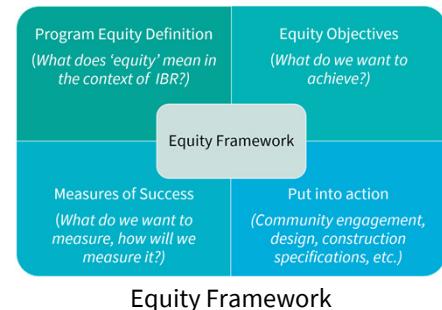
# Mwicheich an ewe Community

- ▶ Program Advisory Groups
  - ESG, CAG, EAG chufengen iteiten maram
- ▶ Ewe Community epwe kawor ngenir ewe Fansoun Eusening
  - 19 sessions sipwe awora pwopwuta March 2021
- ▶ Community Working Groups
  - Active Transportation, Multimodal Commuter, Downtown Vancouver, Hayden Island/Marine Drive
- ▶ Online Open Houses me Public Input Surveys
  - Aa nuseni 9,000 survey response me 14,000+ comments sa angei me non ewe Spring 2021 engagement ika mwicheich
- ▶ Social Media
- ▶ Video Storytelling: Bridge Stories me Case ren IBR
- ▶ Program Website me Monthly E-Newsletter
- ▶ Media Outreach

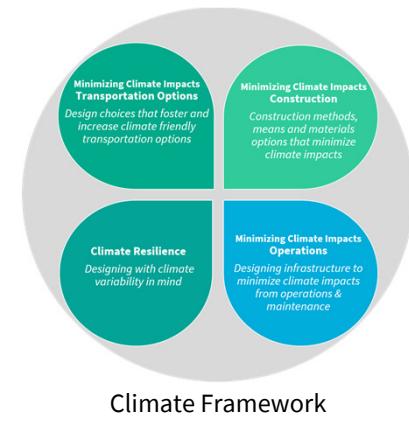


# Kich mi fokkun achocho ngeni an epwe or equity me climate non ach ei program.

- Ei program mi ekieki an epwe apachanong equity me climate non unuseñ ei program non foforan me kokotan.
- Angang fengen me ekkewe advisory groups me ekkewe partner agencies ren an epwe anapanapa ekkewe critical components
- Sipwe aea **equity me climate frameworks**, ekkei metoch sipwe porousan **non meinisin ekkei design me construction** non:
  - ▶ Screening criteria ren an epwe evaluate design
  - ▶ Performance measures
  - ▶ Design me construction specifications
  - ▶ Letters of agreement
  - ▶ Program commitments: community enhancements me mitigation



Equity Framework



Climate Framework

Program Equity Definition  
*(Met wewen 'equity' me non ei context ren IBR?)*

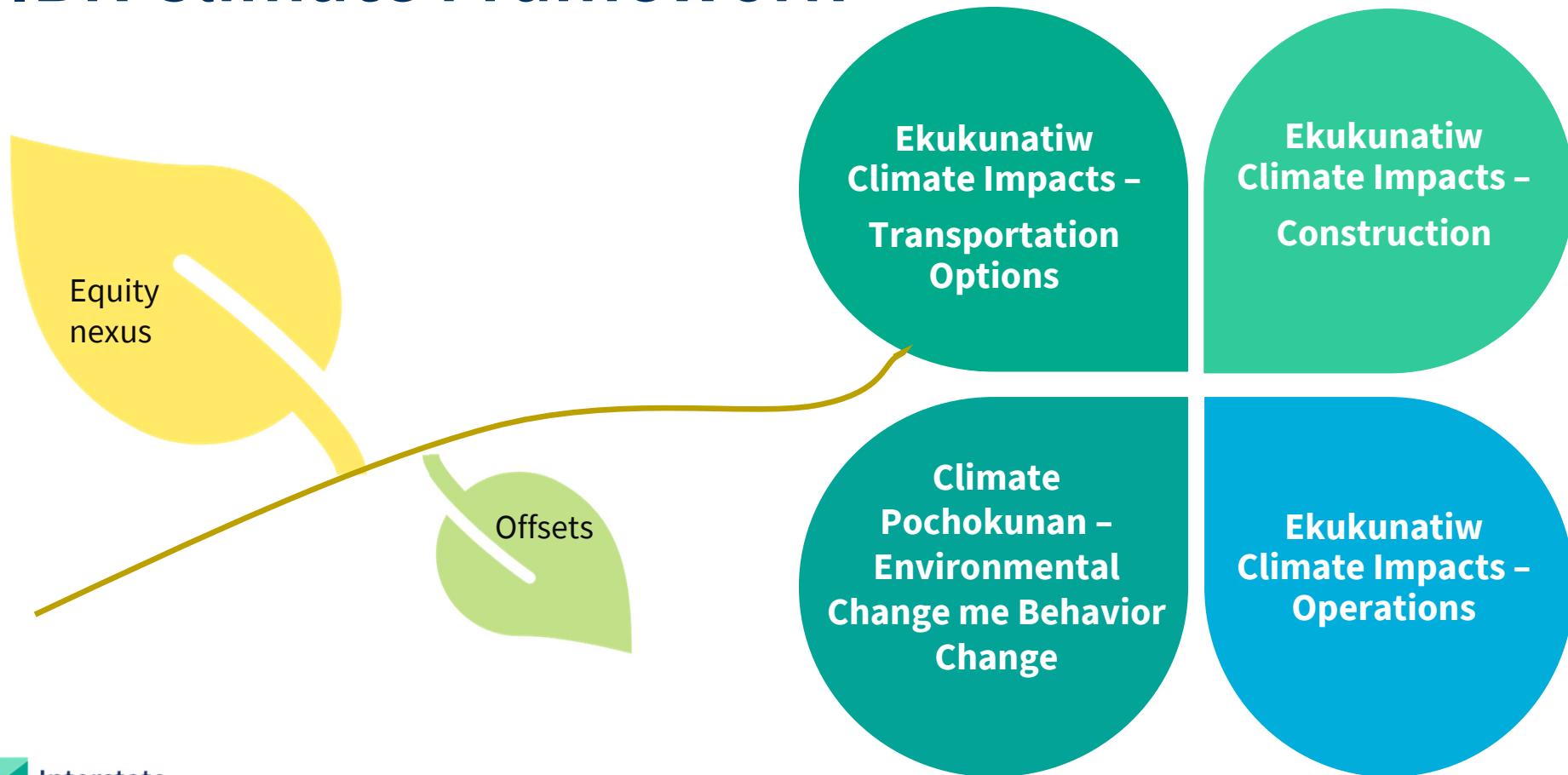
Equity Objectives  
*(Met ei si mwochen achieve?)*

### Equity Framework

Ifa ukukun ena Success  
*(Met ena si mwochen measure ika eukuku, sipwe ifa usun me eukuku?)*

Toolbox  
*(Resources ren ewe support ren implementation)*

# IBR Climate Framework



# Program Timeline



# Ewe Program Work kich mi angang won iei

## ► Pwopwuta iei tori nesopwonon 2021

- Sopwosopwonon development ren ewe preliminary design concepts iwe sipwe fosun ekkewe ekkesiwinin ren pwokiten ewe akomwan planning effort
- Epwe or ewe equity me sipwe ekieki ewe climate me non ekkewe design concepts
- Sipwe finalize ewe screening criteria ren ach sipwe katon ekkewe design concepts
- Sipwe fos non ewe two-way dialogue fengen me ewe community nupwen sipwe porousen ekkewe preliminary design concepts

## ► Nepwopwutan 2022

- Sipwe angechu me ekkewe partners me stakeholders ren ach sipwe tongeni develop me tikeri ewe consensus won ewe IBR multimodal design solution
- Sipwe ekieki ewe supplement environmental review process pwe ina epwe require ekkewe document ren an epwe siwin ewe met ekkewe ren ewe IBR Solution

**Ekkewe chon fifitikich iwe ikkei met  
sipwe ani kapas eis ngenir:**

**Ee kan fan fitu omw cross ini ewe Interstate Bridge? (fini ew)**

- ▶ Iteitan
- ▶ Fan fitu ew week
- ▶ Fan ekkoch iteiten maram
- ▶ Fan ekkoch, esapw iteitan
- ▶ Ina epwe chok fan ew ika
- ▶ Esapw fan ew



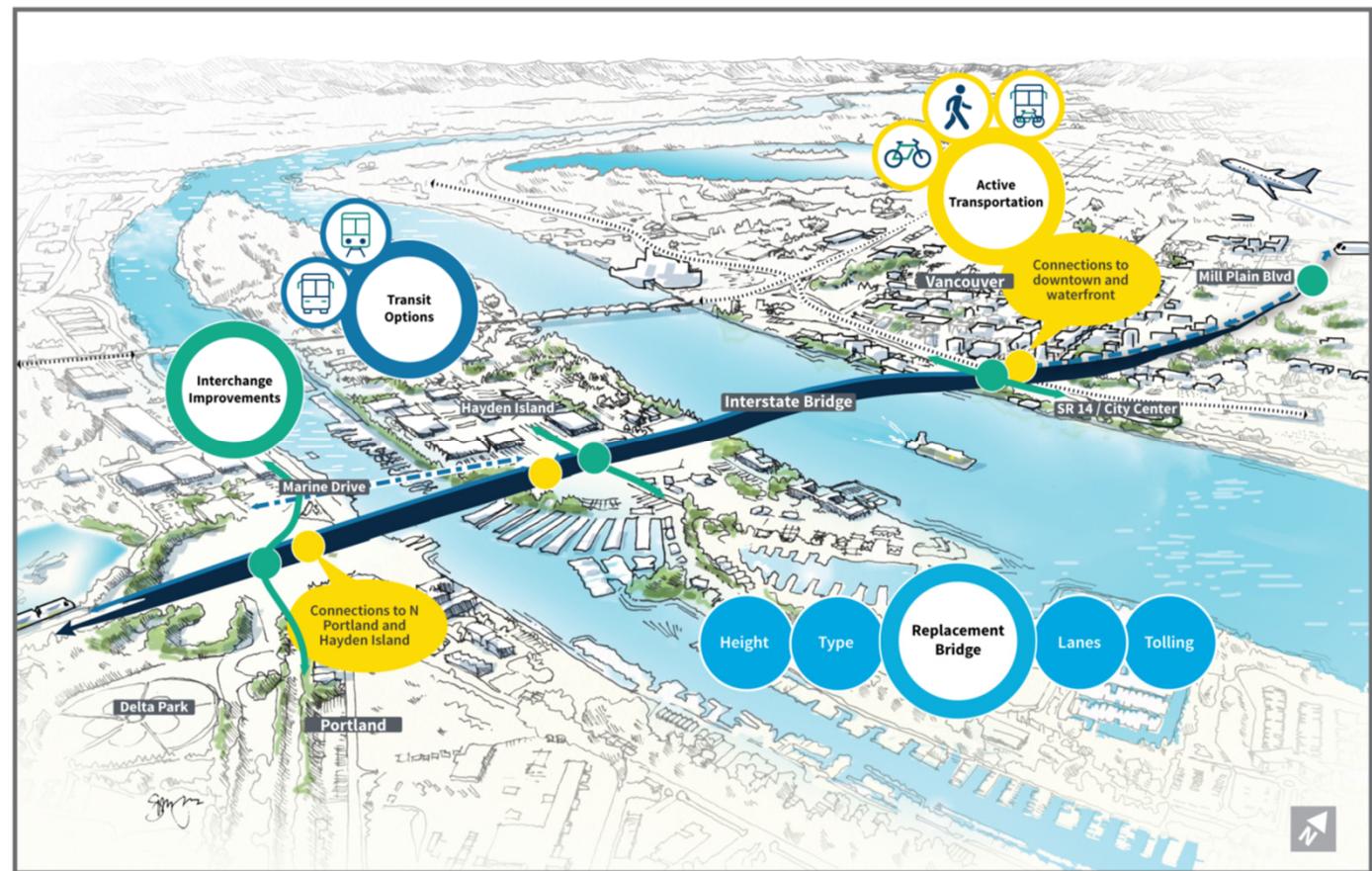
# Ekkewe option ren ekkewe preliminary design

# Ewe akomwan Planning Efforts

- ▶ Ewe akomwan project ren ewe Record of Decision aa etiwa:
  - Siwinin ewe piris
  - Ach sipwe forochuweno ekkewe fisu interchanges me non ewe nimwu-mile corridor
  - High-capacity transit
- ▶ Mwen ewe federal decision an ewe mi chok valid, ina minne, mi fokkun chomwong ekkesiwin ren ewe baseline condition, ekkewe regulatory me masowen ewe policy me met ekkewe communities re akomwa iwe aa mwekut seni chok ewe ier 2013.
  - Minafo preliminary design ra foruta ren faniten ekkena ekkesiwin.

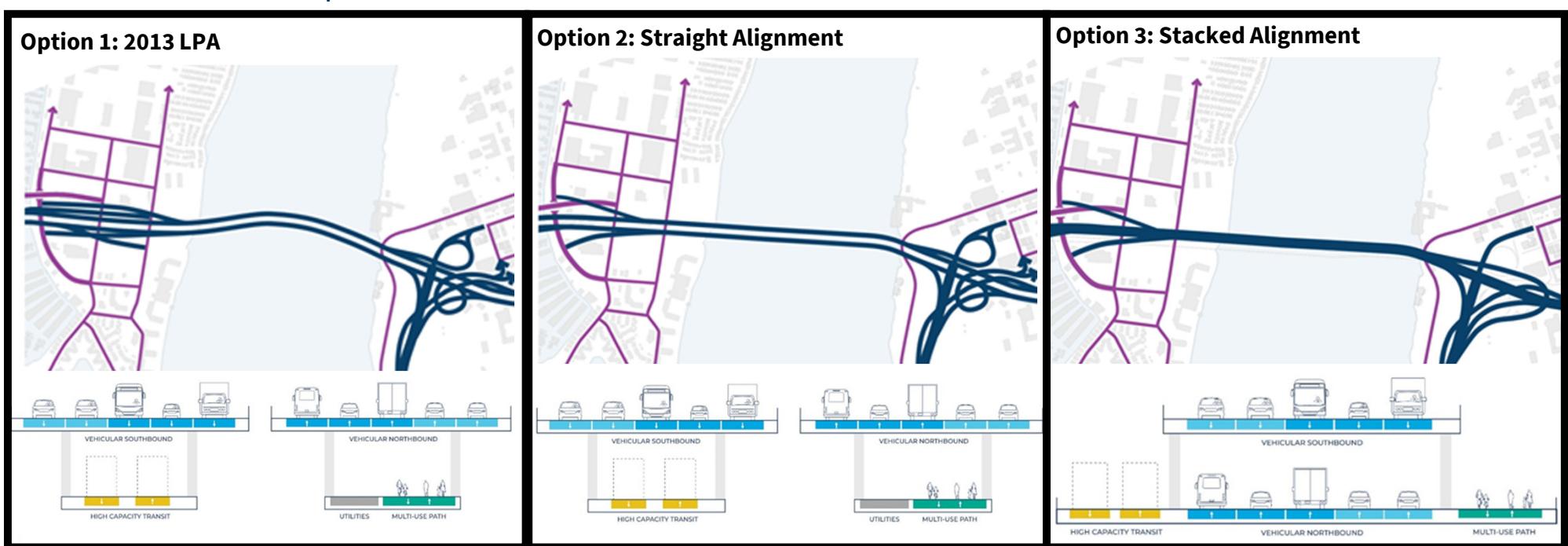
# Ach sipwe sinei ewe IBR Solution

- ▶ Bridge Crossing me Alignment
- ▶ Ach sipwe forochu ekkewe Interchange
- ▶ Ewe transit option
- ▶ Ach sipwe forochu ewe Active Transportation iweiei kich mi pwan anomwu non meinisin ekkei design option



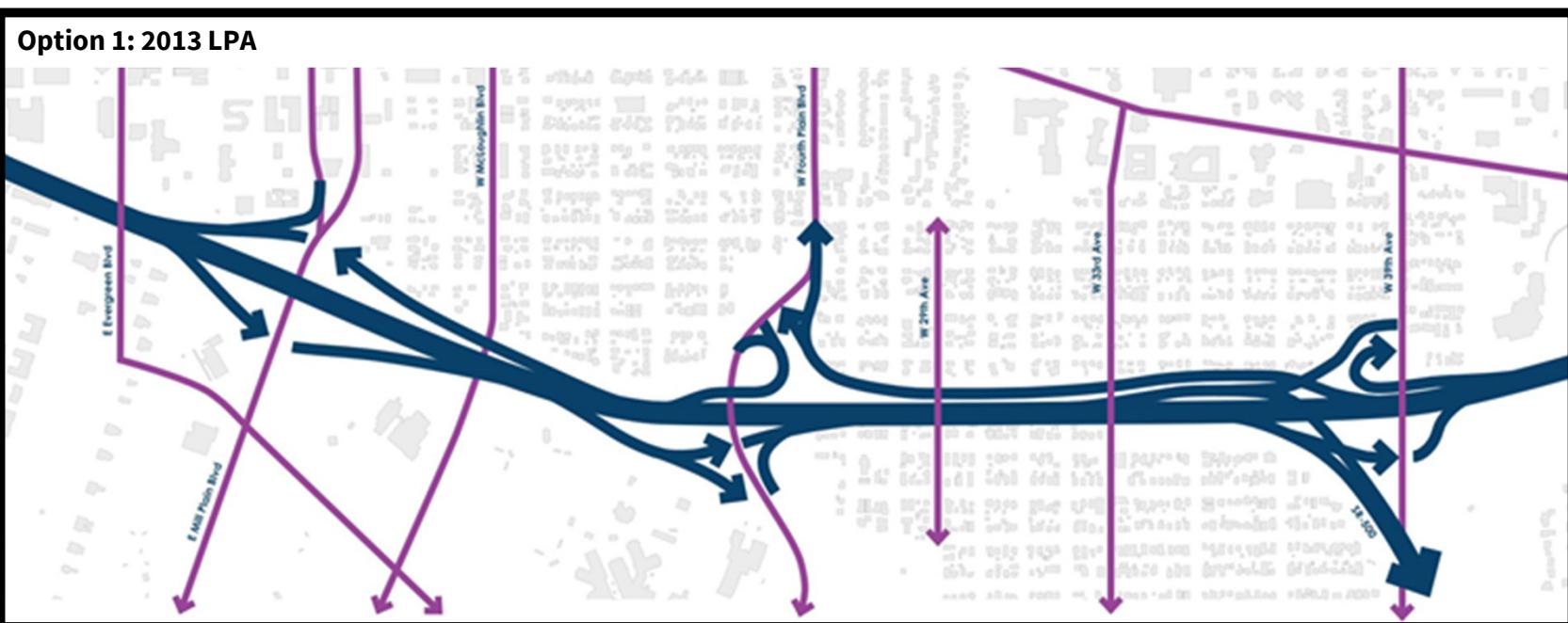
# Bridge Crossing me Alignment

- ▶ Sokopaten ekkei option iwe mi sokofesen non foforun me ewe bridge footprint
- ▶ Meinisin ekkei option nge epwe awora ewe dedicated transit guideway me epwe pwan or ewe chemwongun shared-use path
- ▶ Angangen ekkei design ren non ekkan ran mwach, informed ren ekkewe data partners, me mwicheichen ewe community, iwe ina minne epwe afatetiw ika epwe ifa tamen me epwe ifa nikinikin ewe piris



# Vancouver Interchanges

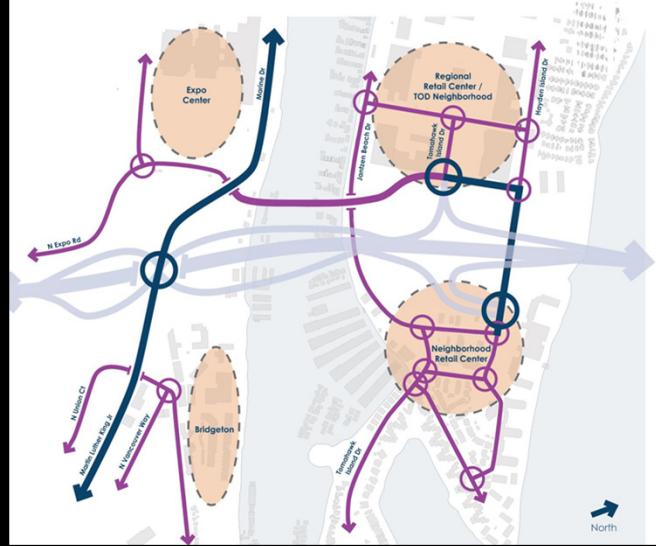
- ▶ Ach sipwene angang won ekkewe kesiwinin interchanges ren ekkewe braided ramps me auxiliary lanes me Mill Plain me Fourth Plain me siwini ekkewe overpass me non ekkewe ekkoch location won I-5 tori ewe river
- ▶ Meinisin ekkei design nge sipwe forochu ewe nenien pasiken me fetan connection ren ach sipwe support east ngeni west ren ewe an
- ▶ Ekkewe angangen design non ekkan ran mwach, sa angei seni ekkewe mwicheich an ewe community, iwe sipwene sopweno me refine Mill Plain/Fourth Plain intersection ren ach sipwe forochu ewe nenien pasiken/fetan connections ika kapachan



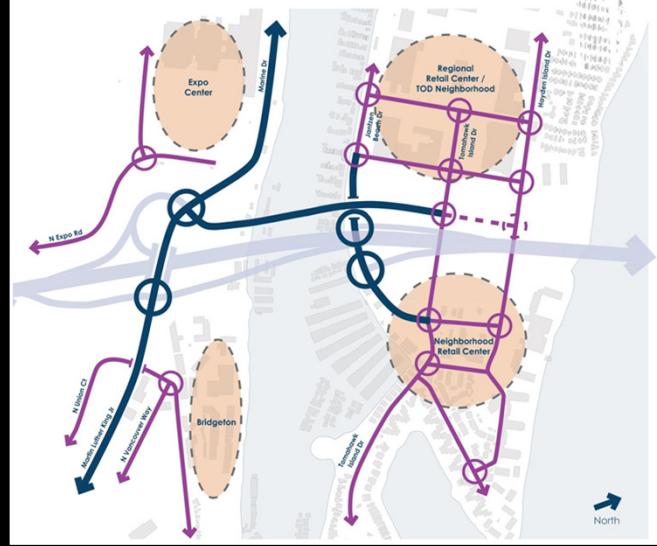
# Hayden Island me Marine Drive Interchanges

- ▶ Ekkewe option ren ach sipwe ekieki ekkewe sokopaten anen ach sipwe access ngeni Hayden Island ren ach fetan, pasiken, transit ika fiti taraku
- ▶ Meinisin ekkei option mi pachenong ach sipwe siwini ewe North Portland Harbor Bridge
- ▶ Ekkewe angangen design non ekkan ran mwach, sa angei seni ekkewe mwicheich an ewe community, iwe sipwene develop ekkewe details ika tichikin porous ren ach sipwe apacha ewe shared-use paths, fengen me ach sipwe apacha ngeni ewe 40-Mile Loop trail

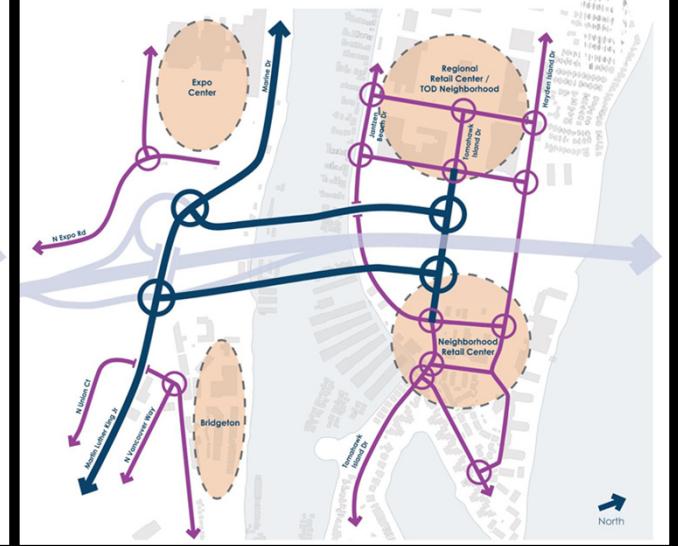
Option 1: Full interchange



Option 2: Epek chok Interchange



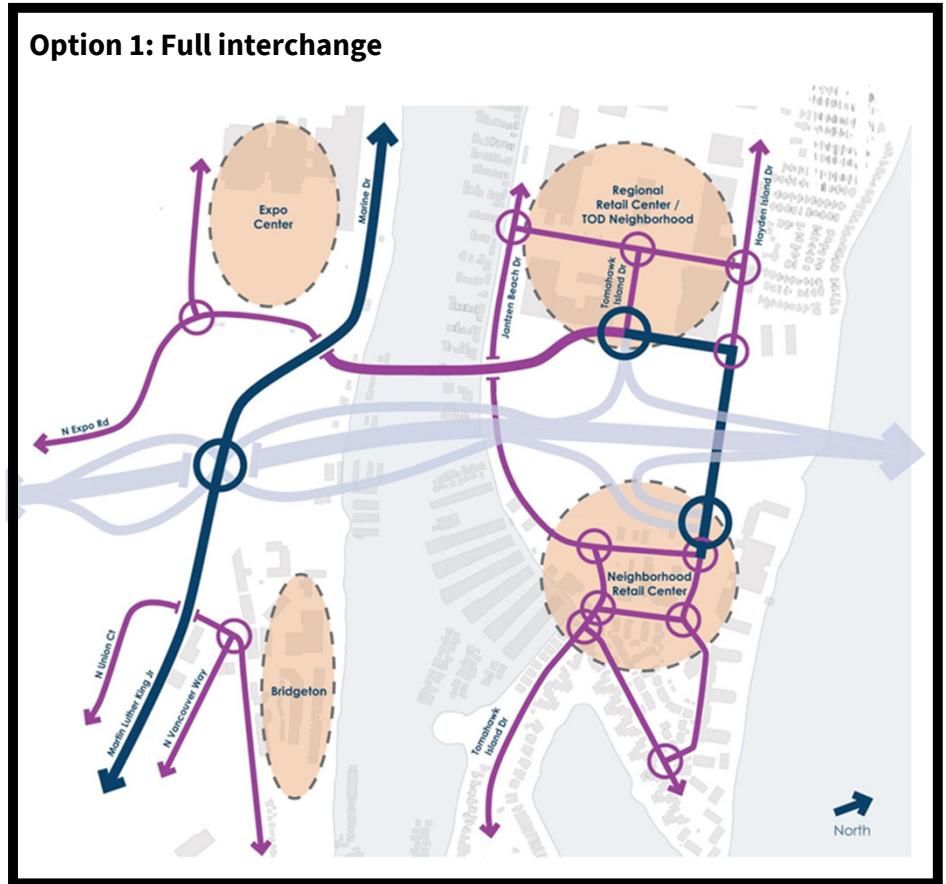
Option 3: Esapw or Interchange



Note: ei nge ee pwari ewe high-level graphic ren an epwe represent ewe variety ika chomwongun concepts sa ekieki fengeni me ekkewe kukun variations ngeni ewe local roadway connections

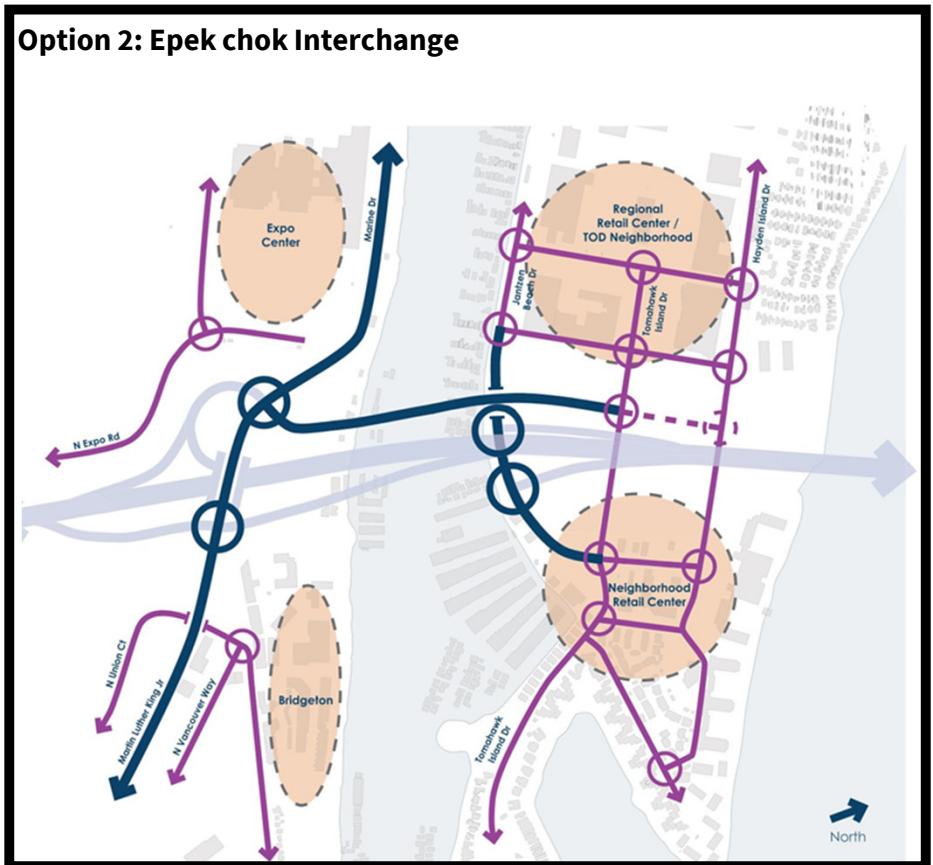
# Full Interchange Option

- ▶ Nupwen aa complete ekkewe interchanges ren north me southbound traffic won me ruu Hayden Island me Marine Drive
- ▶ Ekkewe local streets iwe sap wan apacha fengenir me fan Interstate 5 fiti ekkoch variations, ren ewe eunungatin crossing me fan Insterstate 5 ren Tomahawk Island Drive me ewe arterial bridge ee apacha Hayden Island ngeni Expo Road.
- ▶ Ewe Roadway infrastructure nge aa kon towaweno west ika pwe sipwe anene ngeni 2013 LPA ren ach sipwe siwini ewe North Portland Harbor Bridge



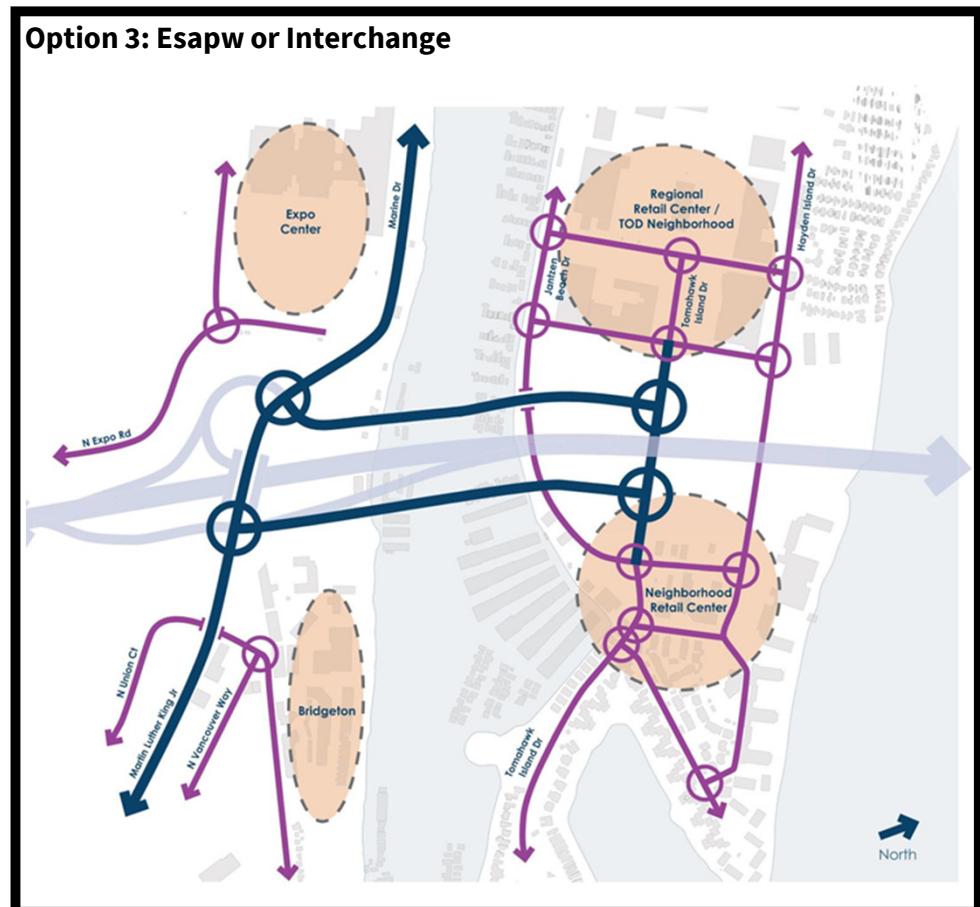
# Partial Interchange Option

- ▶ Awora ekkewe ramps ngeni/seni ewe north ngeni Hayden Island
- ▶ Nupwen aa complete ewe interchange me Marine Drive fiti ewe access ngeni/seni ewe south pwokiten aa kawor me Marine Drive interchange me ewe arterial bridge nefinen marine Drive me Hayden Island
- ▶ Ei configuration nge aa akukunano ewe overall width, footprint, me ekkewe epwe impact ini ewe infrastructure ren an epwe tongeni improve across North Portland Harbor me Hayden Island



# Esapw or Interchange Option

- ▶ Unusen interchange me Marine Drive, esapw or interchange me won Hayden Island
- ▶ Access ngeni Hayden Island via Marine Drive interchange me arterial bridges
- ▶ Ei configuration nge aa akukunano ewe overall width, footprint, me ekkewe epwe impact ini ewe infrastructure ren an epwe tongeni improve across North Portland Harbor me Hayden Island



# High-Capacity Transit

Light Rail Transit (LRT) ee operate non Portland, fiti fengen me ewe Yellow Line terminating me Expo Center, unukun ewe southern border ren ewe program area. Bus Rapid Transit (BRT) ee operate non Vancouver ren ewe The Vine, fiti fengen me ewe southern-most neni ren ar repwe keuno me Turtle Place me non downtown Vancouver.

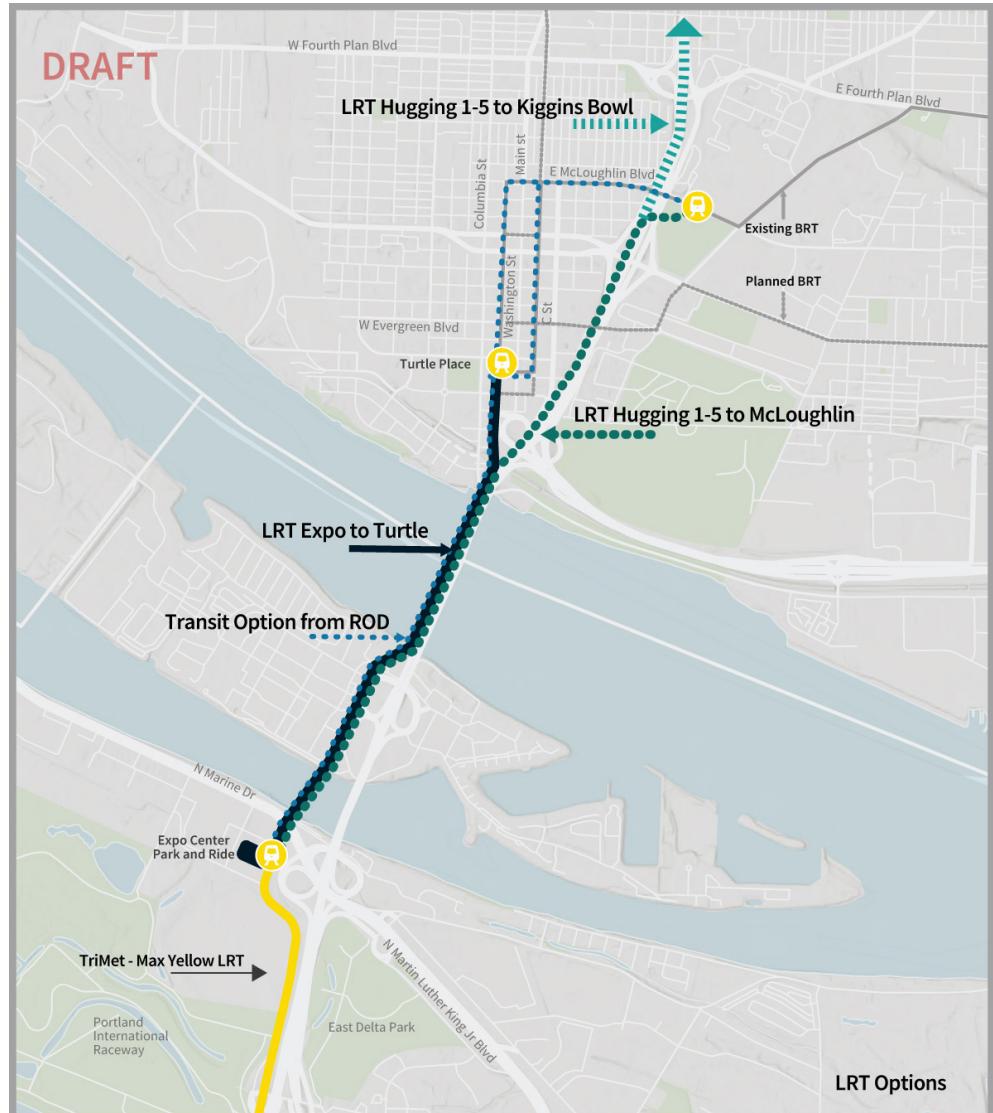
- ▶ **Ewe IBR program nge repwe analyze ekkei tetenin metoch ren ewe transit options:**

- 4 potential Light Rail Transit (LRT) options
- 3 potential Bus Rapid Transit (BRT) options
- 1 Dedicated BRT and LRT to Hayden Island
- 1 Bus on Shoulder Option

Design work non ekkan ran mwach, informed ren ewe data, partners, me ewe community iwe epwe inform ewe transit station ren tichikin porous me ekkewe specific location, me nenien me ukukun ewe Park & Ride

# Light Rail Transit Options

- ▶ Ewe 2013 Locally Preferred Alternative
  - LRT nge epwe extend seni Expo Center ngeni ew terminus unukun Clark College.
- ▶ LRT One Station non Vancouver
  - LRT nge epwe extend seni Expo Center ngeni Turtle Place.
- ▶ LRT Hugging I-5 Unukun McLoughlin
  - LRT nge epwe extend seni Expo Center ngeni McLoughlin non ewe dedicated guideway ee adjacent ngeni I-5.
- ▶ LRT Hugging I-5 ngeni Kiggins Bowl
  - LRT nge epwe extend seni Expo Center ngeni Kiggins Bowl non ewe dedicated guideway ee adjacent ngeni I-5.



# Bus Rapid Transit Options

## ► Dedicated BRT Turtle ngeni Expo

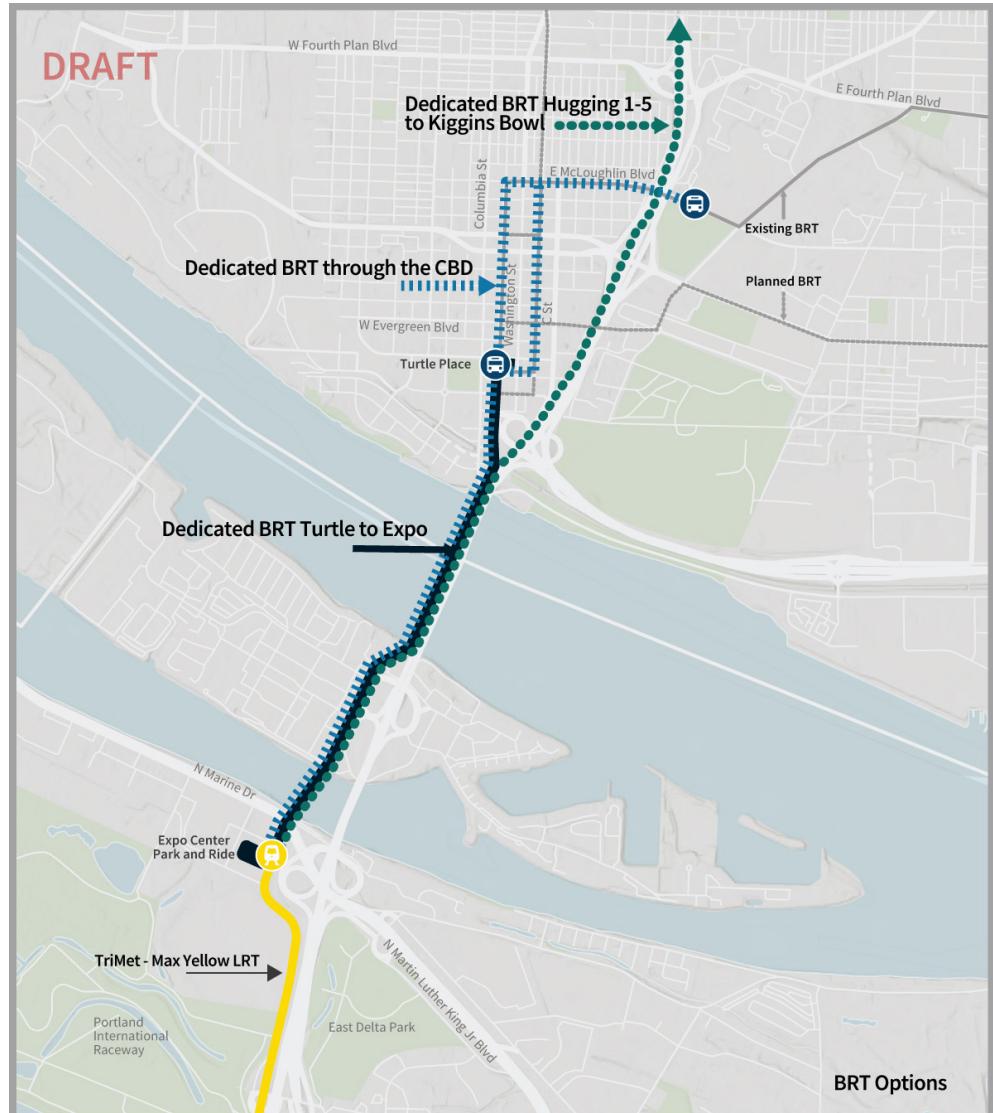
- Ewe Vine BRT line epwe extend fiti ewe dedicated guideway seni Turtle Place ngeni ew terminus unukun ewe Expo Center.

## ► Dedicated BRT Hugging I-5

- Ewe Vine BRT line epwe extend seni Kiggins Bow south ngeni MAX Expo Center Station won ewe dedicated guideway ee adjacent ngeni I-5.

## ► Dedicated BRT Connection seni ewe Central Business District

- Ewe Vine BRT line nge epwe extend fiti ewe dedicated guideway seni McLoughlin Boulevard pwereu me Vancouver CBD mwen kopwe cross ini ewe river ngeni Hayden Island fiti ewe terminus unukun Expo Center.



# Hybrid Transit Option

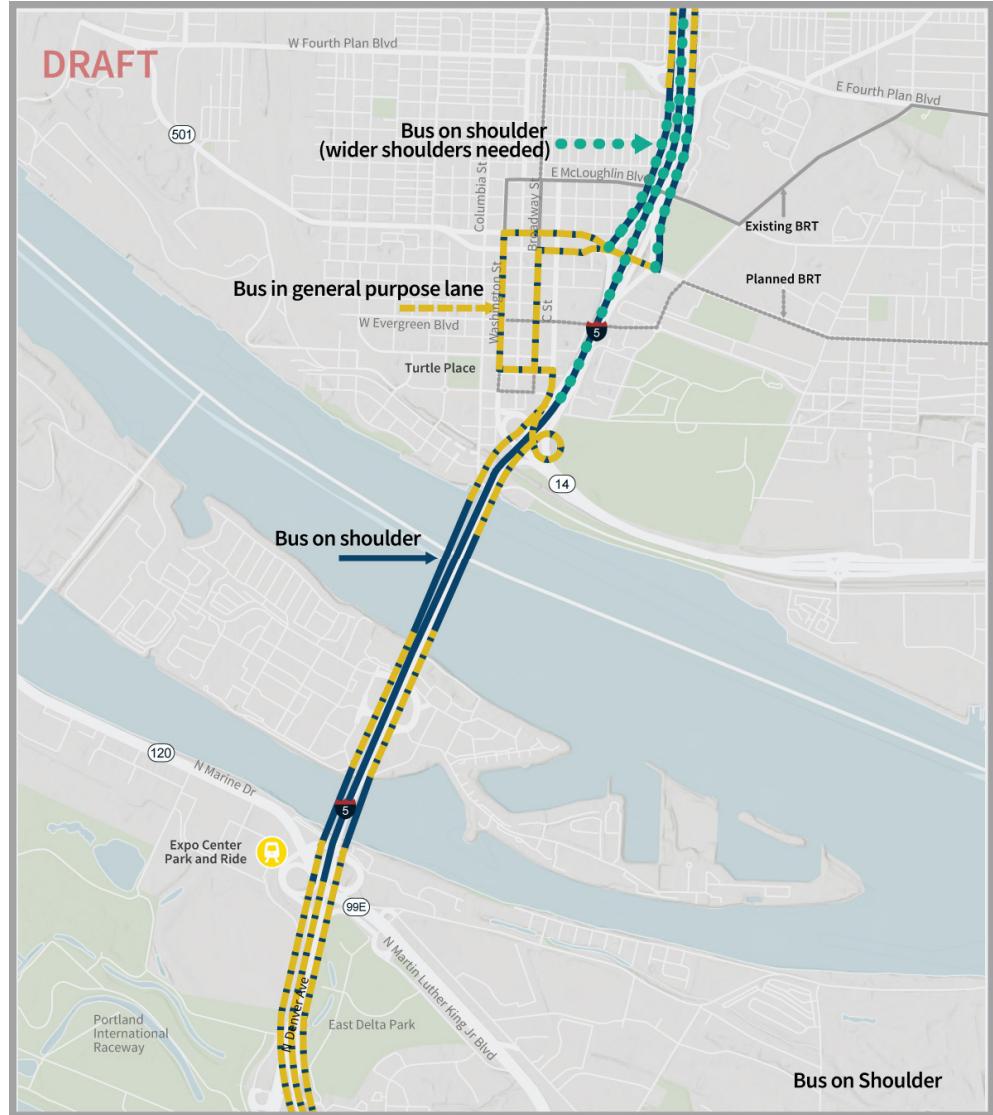
- ▶ Dedicated BRT me LRT ngeni Hayden Island

- Ewe Vine BRT lines iwe epwe extend ika tameno fiti ewe dedicated guideway seni ewe station unukun Turtle Place me non Vancouver ngeni ewe terminus won Hayden Island. Ewe MAX Yellow Line iwe sipwe atamano seni ewe akomwan terminus me Expo Center ngeni ewe minafon terminus won Hayden Island.



# Ewe Bus won Shoulder Transit Option

- ▶ Sipwe era C-TRAN express routes 101 me 105X re operate usun ewe bus won shoulder me non ewe piris ikewe ee watte ewe neni ren influence (me ru direction) Ewe route 101 ee angang me non downtown Vancouver ngeni downtown Portland, Route 105X ee angang seni Salmon Creek ngeni 99<sup>th</sup> ngeni downtown Portland.



## Ekkewe chon fiftikich iwe ikkei met sipwe ani kapas eis ngenir:

### Tefan ewe piris ke kon chungu ika ekieki? (kose mwochen fini meni ee fichi ngonuk)

- ▶ Ian ekkewe on/off ramps repwe nomw ian
- ▶ Nampan on/off ramps
- ▶ Ekkei pekin tumwun sipwe forochu iwe ren anen feta, pasiken ika rolling
- ▶ Epwe tongeni an esapw mwokut nupwen aa or ewe earthquake
- ▶ Ewe transit option
- ▶ Epwe fitu ekkewe lane
- ▶ Memen
- ▶ Climate impact

# Ewe survey ren ewe Design Option

## ► November 10 – December 10

- **Pwopwun:** Sa ioni fengeni an ewe community ewe feedback won met ekkewe re mwochen me met ekkewe re mwoche akomwa fengeni me ewe user experience me/ika ekkewe kapachan design options (esapw ren ewe rank nefinen ekkewe option).
- Translation mi kawor non wanu fosun fenu: Spanish, Vietnamese, Korean, Chinese (Simplified me Traditional), Slavic (Russian me Ukrainian), Somali
- [interstatebridge.org/november](http://interstatebridge.org/november)

# Online Open House

## ► Live lei!

- **Pwopwun:** Repwe awora ewe overview ren ekkewe design option, timeline, me ewe process ren faniten repwe angei ew solution ngeni ewe IBR
- Translation mi kawor non wanu fosun fenu: Spanish, Vietnamese, Korean, Chinese (Simplified me Traditional), Slavic (Russian me Ukrainian), Somali
- [interstatebridge.org/november](http://interstatebridge.org/november)

### Getting to the IBR Solution

Developing a safe and equitable solution for future generations...

Your feedback matters! Combined with stakeholder, advisory groups and partner input, your suggestions will contribute to identifying a new multimodal bridge replacement solution that meets the transportation needs of the region – now and for future generations. Below, find out about where the program is in the planning process. Starting in November, you can share your feedback in an online survey. Your input will help guide the decisions to identify a bridge replacement solution that meets everyone's needs.



| Look for our online survey coming November | Receive a notification when the survey is live! |

#### Stations

**Previous Planning Efforts**  
In 2004, the Columbia River Crossing (CRC) project was formed by the Washington and Oregon Departments of Transportation to address Interstate 5 corridor transportation issues identified by regional leaders through long-range planning studies.  
[LEARN MORE](#)

**Design Options**  
The program is working to identify a solution to address changes that have occurred since the previous solution was identified. For each component that responds to a change, the IBR program and local partners are developing preliminary design options for consideration.  
[LEARN MORE](#)

**Equity Framework**  
An essential first step of the IBR program's commitment to centering equity is to develop a shared understanding of what the program seeks to achieve and how it will be accomplished. The IBR Equity Framework outlines the program's approach and the resources it will use to advance equity.  
[LEARN MORE](#)

**Climate Framework**

**Environmental Compliance**  
Environmental compliance is foundational to the

**Identifying an IBR Solution + Next Steps**



# Kapas eis?

Wanong omw kana kapas eis non ena chat.

# Frequently Asked Question

## ► **Epwe or ekkewe tolls ika sipwe pwan meni ach sipwe aea?**

- Ei ukukun program esapw nonganong won ew chok source ren mwonian. Kich mi fokkun fori met sipwe kunekun ian epwe or me ian ewe mwonian, pachenong state, local, federal me pwan ekkewe tolls
- Kich mi anomwu equity non ach porous ren ekkewe tolls ren an epwe or ewe inclusive, ewe equitable outcome me ewe mwonien funding
- Ewe estimated cost me mwonian iwe ina sipwe kan update won nupwen angang epwe sopwosopwono chok
- Ina epwe pwan or ewe analysis me chufengen an ewe community mwen epwe tou ekkewe tichikin porous

# Frequently Asked Question

## ► Ei program nge awatenon ewe I-5 freeway?

- Ewe community aa fen ereni ewe IBR program nge mi eucha ngenir epwe tumwun, epwe pwan reliable ewe transportation system epwe pwan chomwong met repwe fini ren ewe multimodal
- Ren ach sipwe tongeni fosun met epwe akomw, ewe program aa nengen i ekkewe interchange improvements, met epwe pwan kapacheta ren ewe auxiliary lanes, ekkewe guideways ren ewe high-capacity transit, me an epwe chemwong ewe an ren ekkewe active transporation
- Ekkewe preliminary design option nge ee kuta met epwe balance ewe need ren ach sipwe improve ewe safety, ekukunatiw congestion, me ngonuk ekkewe pwungun finata ren ewe multimodal nge pwan akukunatiw an ewe pis ewe footprint me ekkewe metoch mi ngaw ngeni ach ewe environment

## Stay Connected & Get Involved

- ▶ Sign-up ren am ewe newsletter iteiten maram:  
[interstatebridge.org/news](http://interstatebridge.org/news)
- ▶ Ren omw kopwe fiti ew mwichen program ika mwicheichen community  
[interstatebridge.org/calendar](http://interstatebridge.org/calendar)
- ▶ Eto fiftikich won social media: @IBRprogram





**Ren pwan tichikin porous iwe  
kose mwochen contact:**

[info@interstatebridge.org](mailto:info@interstatebridge.org)

360-859-0494 ika 503-897-9218

888-503-6735

<https://www.interstatebridge.org>

**Pwan eto fifitikich won social:  
@IBRprogram**



**Kinisou chapur!**

[www.interstatebridge.org](https://www.interstatebridge.org)