

# THE BIKE ACCESSIBLE TRANSIT AGENCY

New Partners for Smart Growth Conference  
February 12, 2016

Honolulu Authority for Rapid Transportation | Nelson\Nygaard | TransLink | TriMet

474 002-3 1

# TODAY'S PANEL



Evan Corey | Senior Associate



Jon Nouchi | Deputy Director, Planning and Environmental



Kamala Rao | Senior Transportation Planner



Jeff Owen | Active Transportation Planner

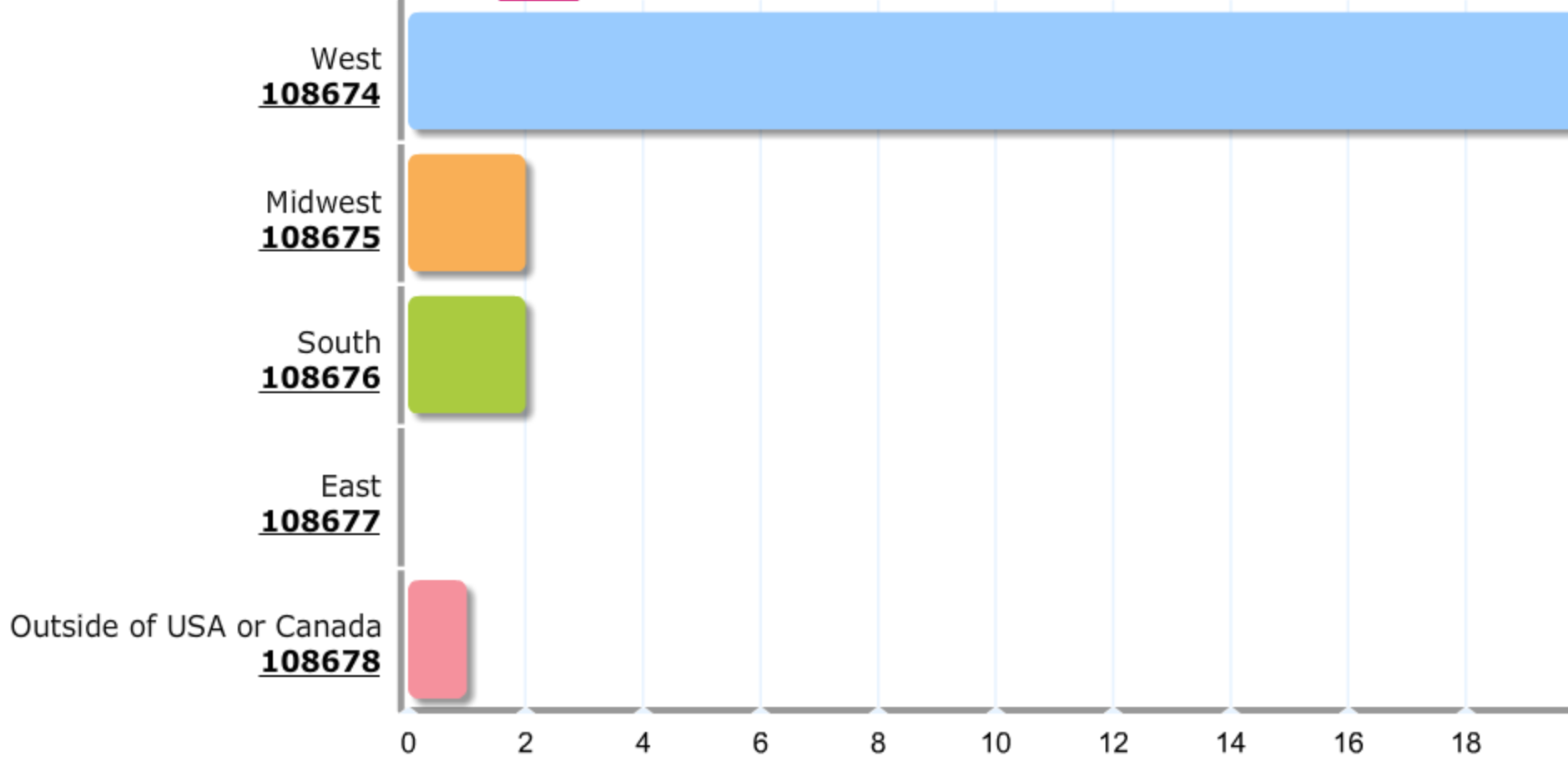


PREPARE TO  
PARTICIPATE!



# What region are you from?

SMS your vote to 650 600 9016 or visit [m.smspoll.net](http://m.smspoll.net)





# What do you want to discuss most today?

Press Esc to exit full screen mode.

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Low-cost bike integration options or retrofits

**108612**

Bike share integration

**108613**

Necessary bike policies

**108614**

Secure bike parking areas

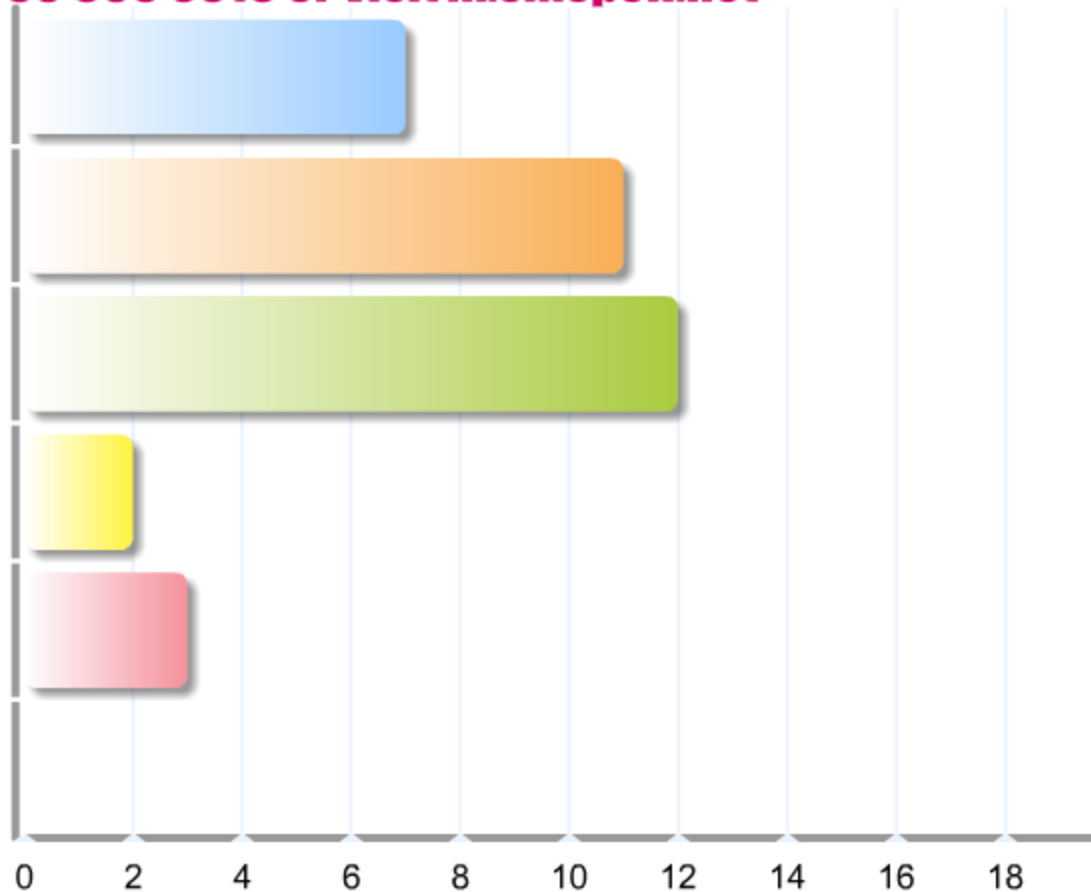
**108615**

Bike authorities

**108616**

Other

**108617**

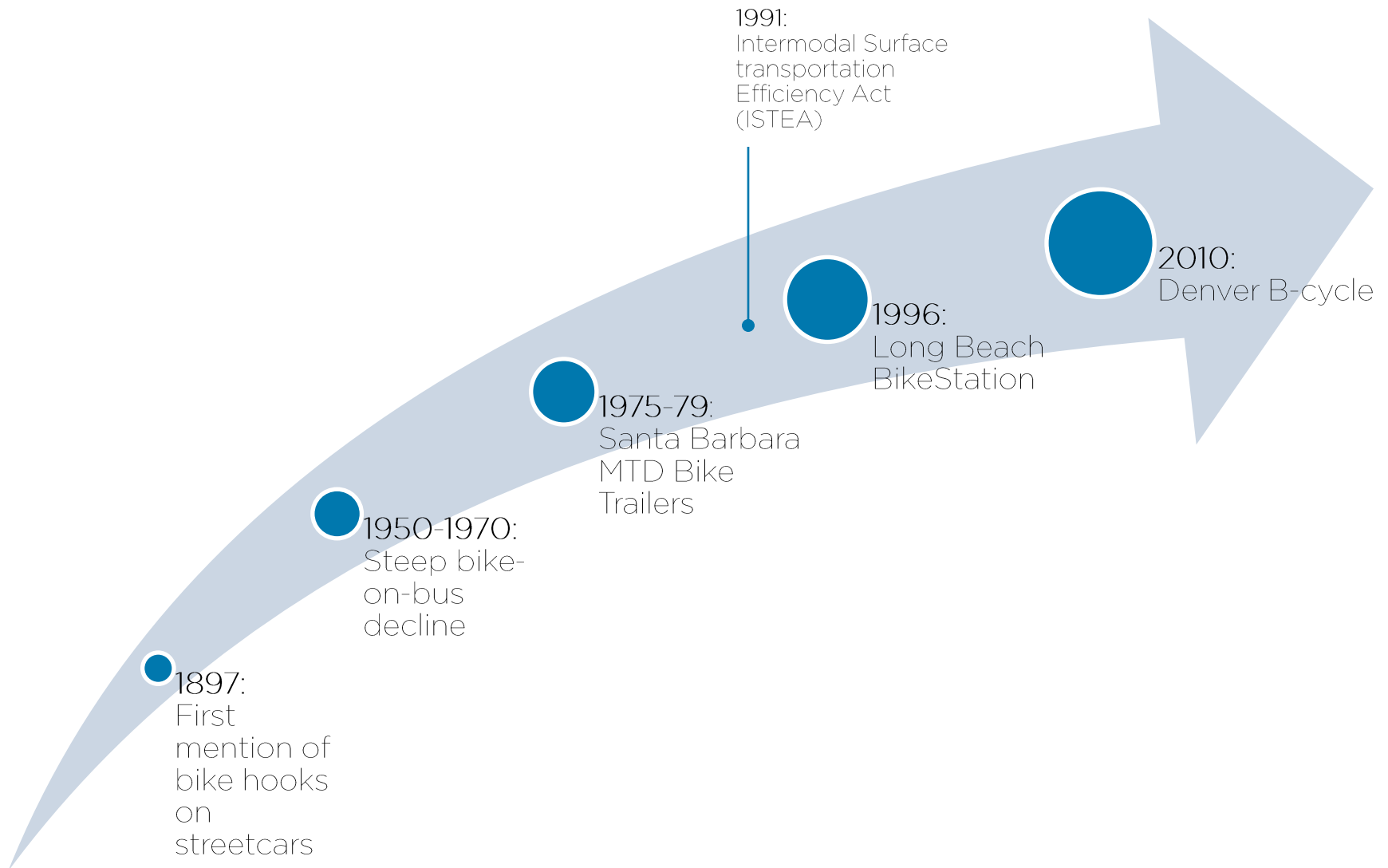


HISTORY  
WHY?  
HOW?



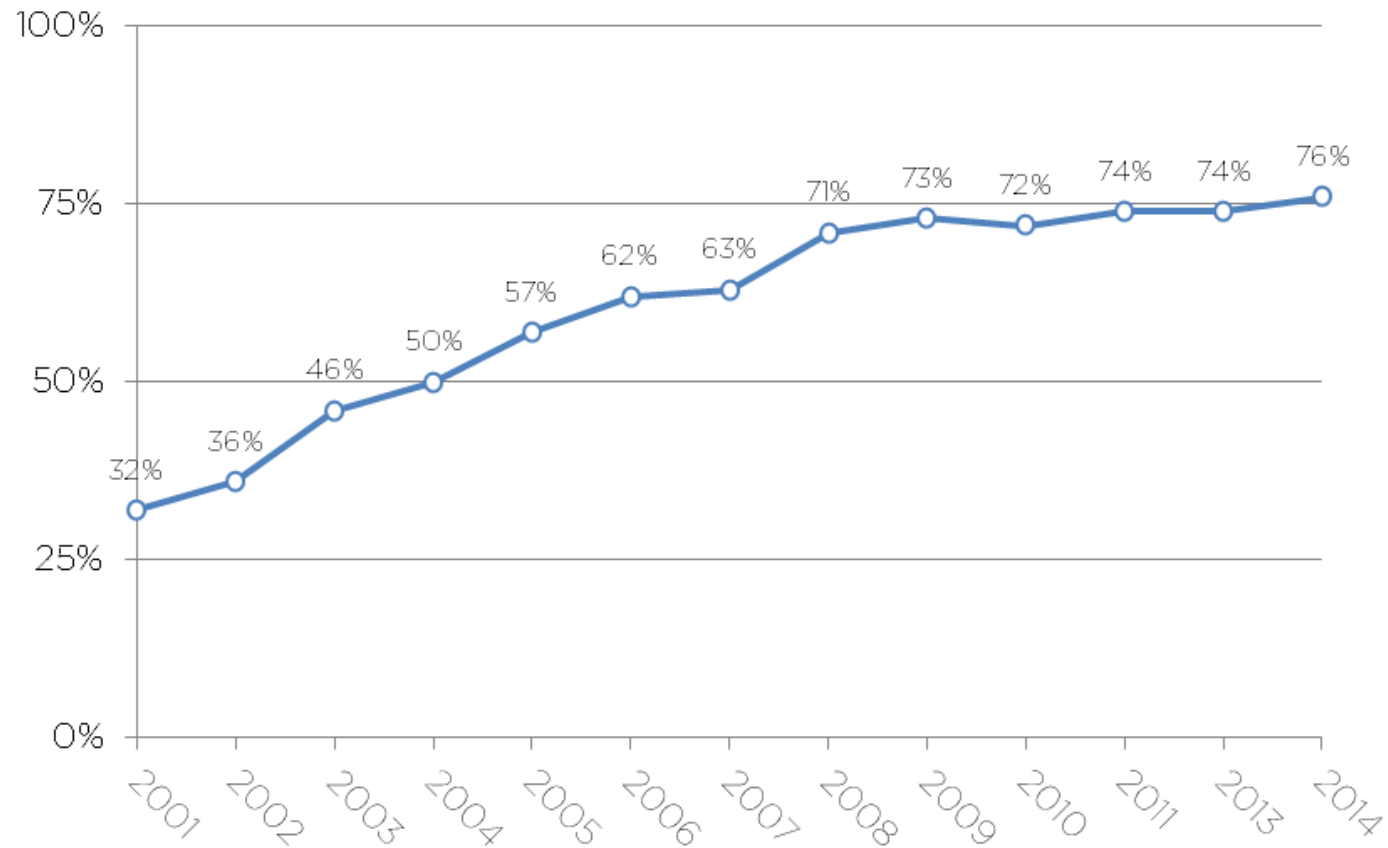
# A LONG HISTORY OF BIKE ACCESS

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# A LONG HISTORY OF BIKE ACCESS

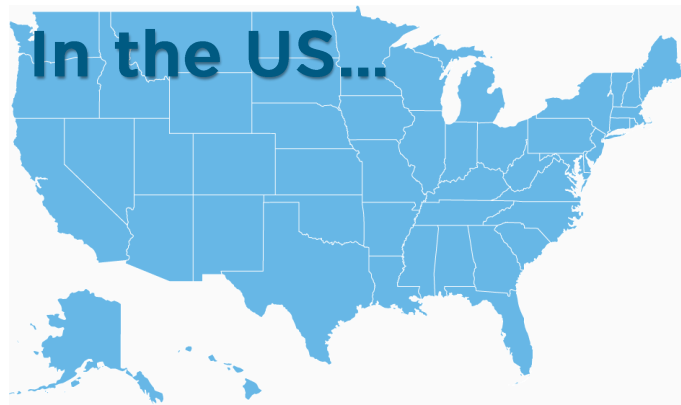
**Percent of buses in US with exterior bike racks**



APTA, Public Transportation Factbook, 2015

# A LONG HISTORY OF BIKE ACCESS WAY TO GO

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Secure parking area spaces = 8,800

+

Bike rack spaces = 38,200

**47,000 total bike spaces**

## At Amsterdam Centraal Station...



**10,000 total bike spaces**



# WHY IS BIKE ACCESS IMPORTANT TO TRANSIT AGENCIES?

- Increases ridership
  - Encourages transit use in lower density neighborhoods
  - Extends reach of transit
  - Improves “last-mile” connections
  - Support bike trips (rain, hills, etc.)
- Alleviates overcrowding
- Integrates transit needs into the design of bikeways...and vice versa



# KEY STRATEGIES

Bikeway  
Integration



Access  
Amenities



Technology

	BIKES	EMPTY DOCKS			
			Broadway @ Felton St	2	MIN WALK
	5	14	68 Harvard Square via Broadway	8	37 MINUTES
			Outbound		
	10	5	454 Broadway	1	MIN WALK
			68 Kendall/MIT via Broadway	13	MINUTES
			Inbound		
	10	9	Lamont Library	6	MIN WALK
			Mather Express	0	21 41 MINUTES

Interested in getting young kids into nature at #FreshPond and #CambMA? REGISTER for our Growing Up WILD workshop! [ow.ly/Johxl](http://ow.ly/Johxl)

Promoting sustainable transportation... don't go it alone!

Real-time transit information powered by TransitScreen

2:04 PM  
Tuesday, February 24 17°F



# KEY STRATEGIES

Policy &  
Procedures



Programs &  
Marketing



**Jeff, Bellingham**

Mode of choice: **bike**

Miles logged: **5,918**

Gas money saved: **\$1,449**



Make a difference anywhere you go

A photograph of a city street scene. In the foreground, a woman in a dark coat is walking past a bicycle-sharing station. The station consists of several blue bicycles docked at a charging station. A bus with 'multiplicity' branding is stopped at a bus stop. The background shows trees, a traffic light, and a building with a sign that reads 'LA RÉHABILITATION' and 'SOLUDEC'.

**Building an integrated network with integrated amenities**





# Bike Accessible Transit Agency

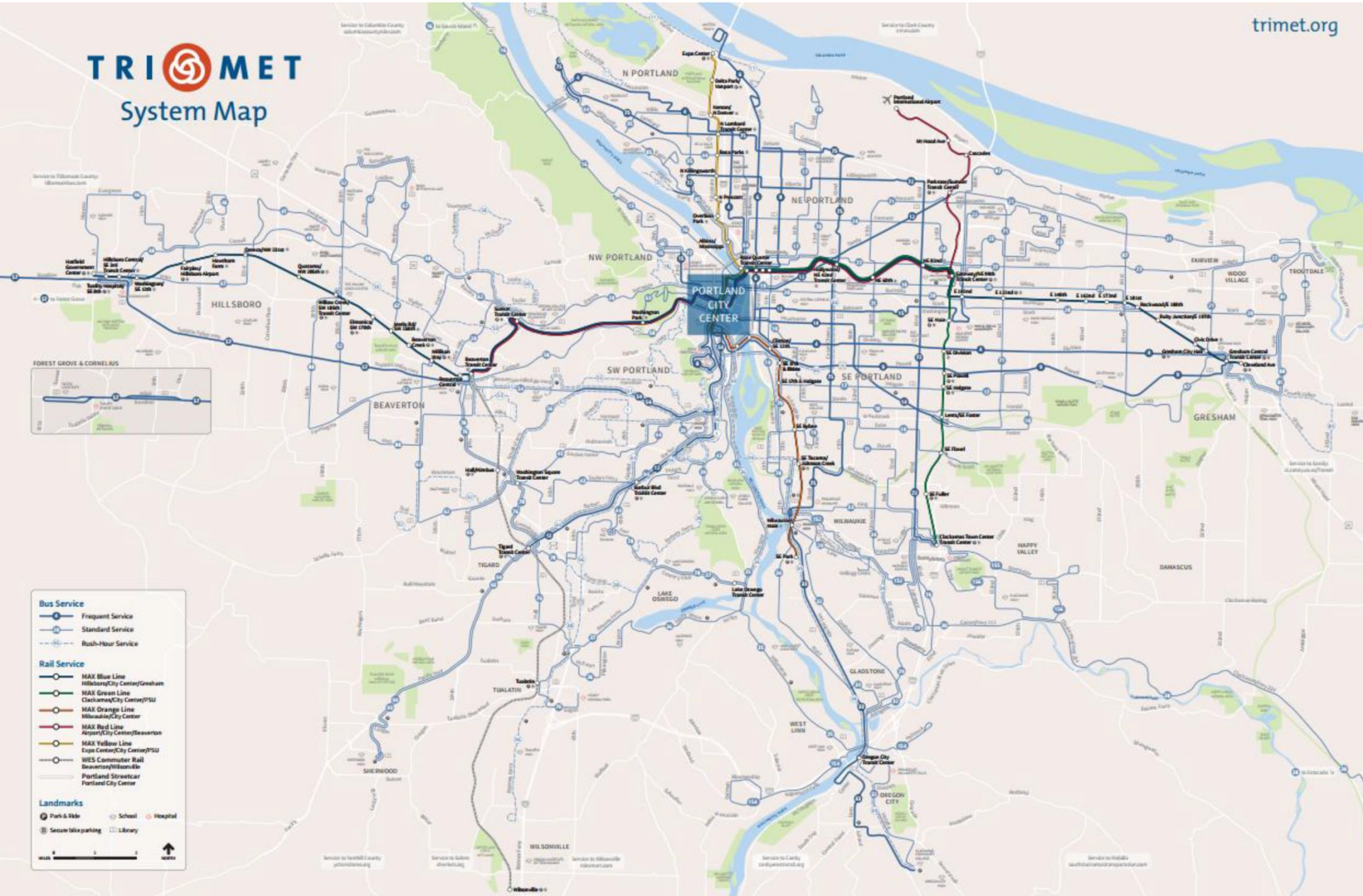
*February 12, 2016*



Jeff Owen  
Active Transportation  
Planner  
Planning & Policy  
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# TRIMET System Map



**Bus Service**

- Frequent Service
- Standard Service
- Rush-Hour Service

**Rail Service**

- MAX Blue Line Hillsboro/City Center/Gresham
- MAX Green Line Clackamas/City Center/PSU
- MAX Orange Line Milwaukie/City Center
- MAX Red Line Airport/City Center/Beaverton
- MAX Yellow Line Expo Center/City Center/PSU
- WES Commuter Rail Beaverton/Wilsonville
- Portland Streetcar Portland City Center

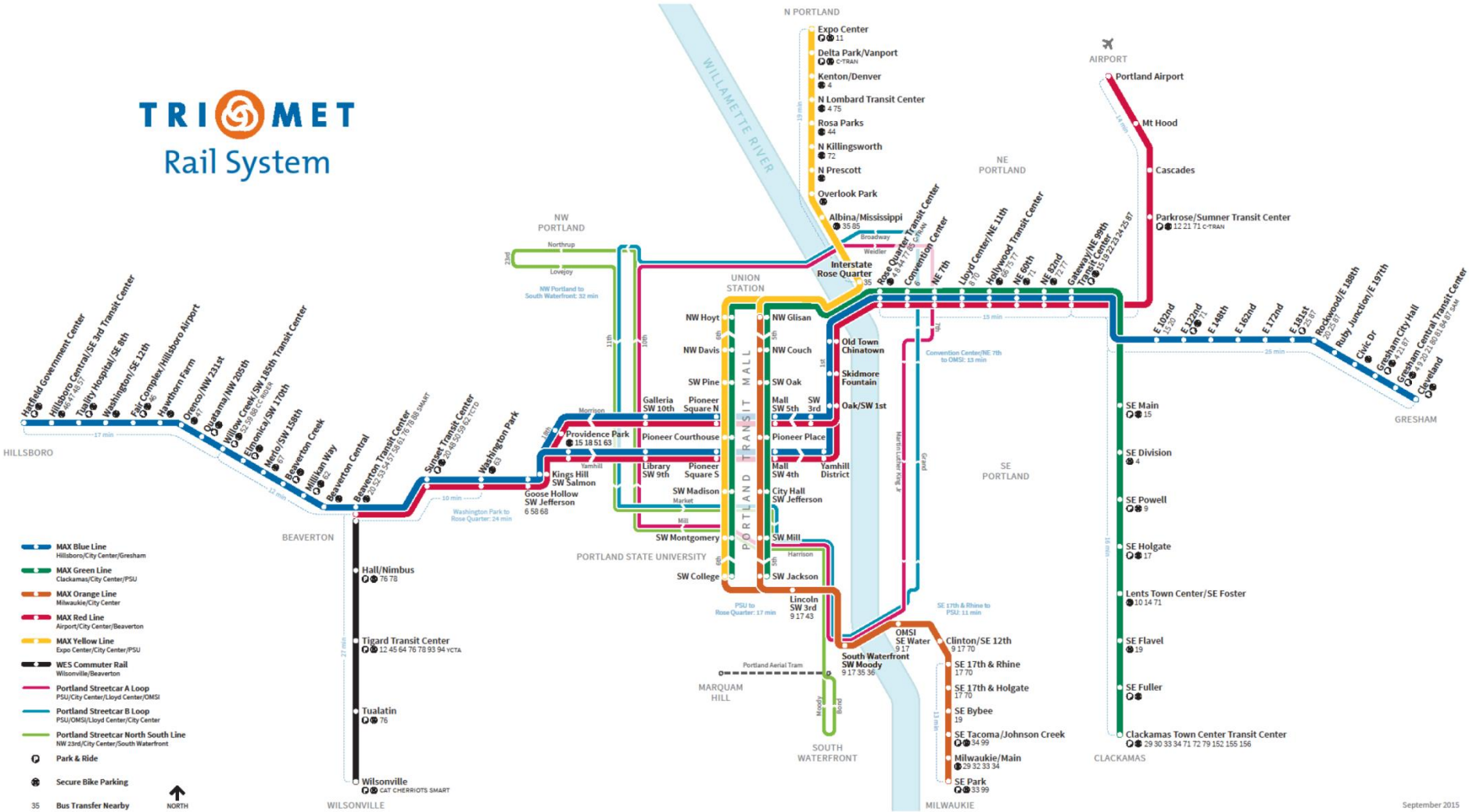
**Landmarks**

- Park & Ride
- School
- Hospital
- Secure bike parking
- Library

Scale: 0 1 2 miles

North arrow

# TRIMET Rail System





# Bike Accessible Transit Agency

- Access to
- Accommodation on
- Parking at
- Future integration











accommodation  
on  
transit





parking  
at

transit



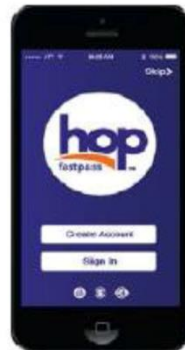
future  
integration  
with



transit



bike share  
car share  
fare technology  
emerging trends  
new ideas







# TRANS LINK



Kamala Rao, Sr Transportation Planner, MCIP RPP  
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# Metro Vancouver

23 local governments  
2.5 million people

Bowen Island  
3,362

Lions Bay  
1,328

West Vancouver  
42,032

North Vancouver District  
84,412

Anmore  
2,092

North Vancouver City  
48,196

Belcarra  
690

Port Moody  
34,479

Electoral Area A  
13,035

Vancouver  
640,915

Coquitlam  
(138,722)

Port Coquitlam  
59,060

Burnaby  
234,559

Pitt Meadows  
18,648

Maple Ridge  
79,142

New Westminster  
68,280

Richmond  
201,303

Surrey  
504,661

Delta  
101,910

Langley City  
25,081

Langley Township  
104,177

Tsawwassen First Nation  
455

White Rock  
19,248

CANADA





Lockers



Rail Trail



Funding



Parkades





 **King George Station  
Bike Parkade**  
now open!

Register at [translink.ca/bikeparkade](https://translink.ca/bikeparkade)

TRANS LINK

arkade

r Trip Here









# TRANSIT

H O N O L U L U   R A I L   T R A N S I T   P R O J E C T

[www.HONOLULUTRANSIT.ORG](http://www.HONOLULUTRANSIT.ORG)

**HART**

HONOLULU AUTHORITY for RAPID TRANSPORTATION

# TRANSit

H O N O L U L U   R A I L   T R A N S I T   P R O J E C T

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# TRANS*formative*



# Historic Transit in Honolulu

## MAP OF THE CITY OF HONOLULU

Showing Street Car Lines, Bus Lines, Hotels, Principal Public, Office and Bank Buildings, Parks, Churches, Residential Sections and all Principal Streets.





# Modern Transit in Honolulu



H O N O L U L U   R A I L   T R A N S I T   P R O J E C T

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# Modern Transit in Honolulu

## 1971 – TheBus

- **City and County of Honolulu** took over transit
- Won the American Public Transportation Association's (APTA) ***America's Best Transit System*** in 1994 and 2000
- A **well-utilized** transit system
- **220,000 daily** weekday riders
- **71 million** annual riders

## 2007 – TheBoat

- Demonstration Intra-island **commuter ferry**
- Sailed between **Kapolei and Honolulu** during peak periods
- **Integrated with TheBus** for seamless transfer connections



# Modern Transit in Honolulu



H O N O L U L U   R A I L   T R A N S I T   P R O J E C T

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# Modern Transit in Honolulu

## 2019 – Honolulu Rail Transit

- Currently **under construction** by HART
- **20-mile** elevated alignment with **21 stations**
- **20 4-car driverless, fully-automated** train sets
- Service will operate between **4:00 a.m. and midnight**
- Arrivals every **5 minutes peak/11 minutes off-peak**
- Anticipated ridership is **119,600 daily passengers**
- **Integrated with TheBus** through transit centers
- Four strategic **park-and-ride locations** planned
- Provides direct service to **Honolulu International Airport**
- **Bicycles (and surfboards up to 10')** welcome on board



# 21 Stations = 21 Communities

## Kapolei to Honolulu

via Primary Urban Corridor, Honolulu International Airport, and Downtown



# Bike + Rail

- Each 4-car train is **256 feet long**
  - ✓ **8 bike hooks**
  - ✓ **16 fold-down seat areas**
- **Bike channels and grooves** on stairs and **bike-friendly elevators** to access station platforms
- **Bike racks** at all stations
- Secured **bike storage** rooms at selected stations accessible using contactless integrated fare cards
- Integrated reserved **bike share space** onsite at stations





LET'S CHAT!



# What do you want to discuss most today?

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0 1 2 3 4 5 6 7 8 9 10

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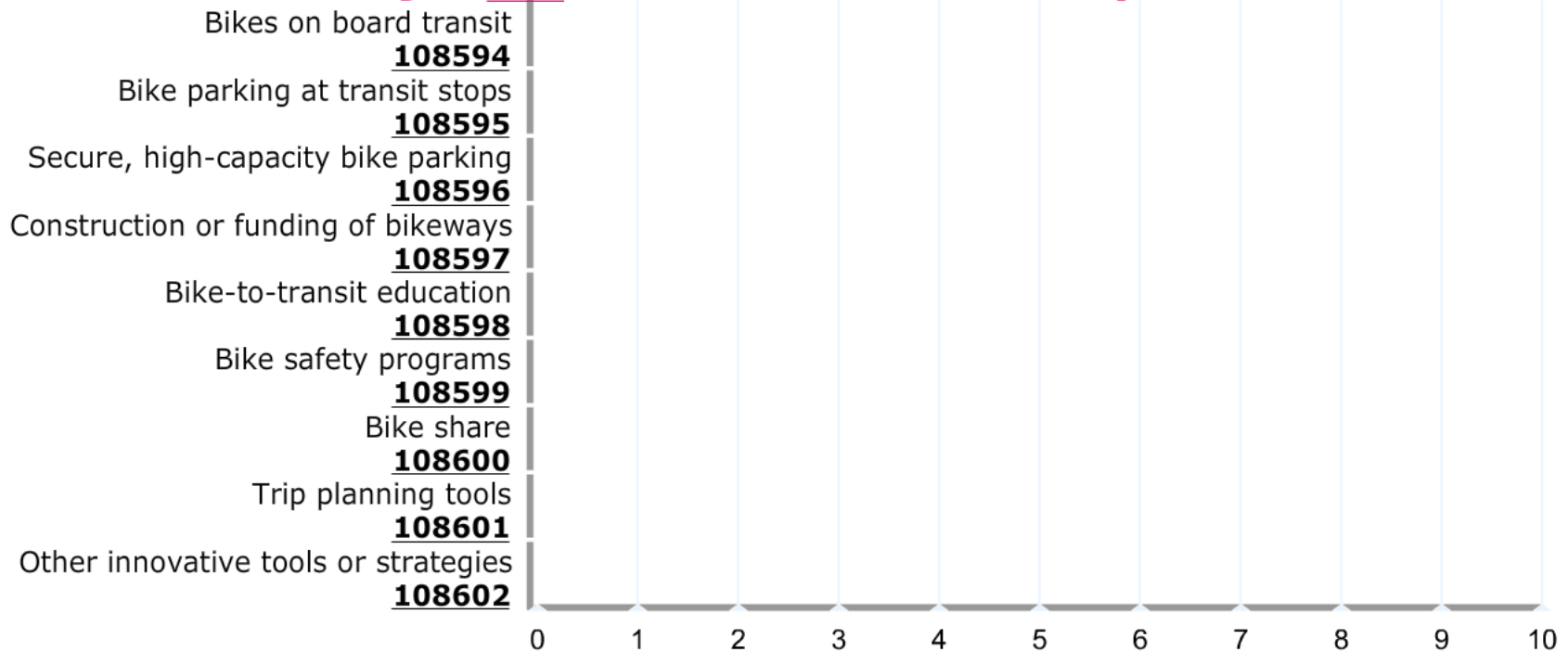
Create your own free poll at [www.smspoll.net](http://www.smspoll.net)

**SMSPOLL**



# What strategies do your local transit agencies use to support and improve bike access?

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**THANK YOU!**



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