

NORTHWEST IN MOTION

Community Advisory Group

Meeting #6

July 15, 2019

WE KEEP PORTLAND MOVING.

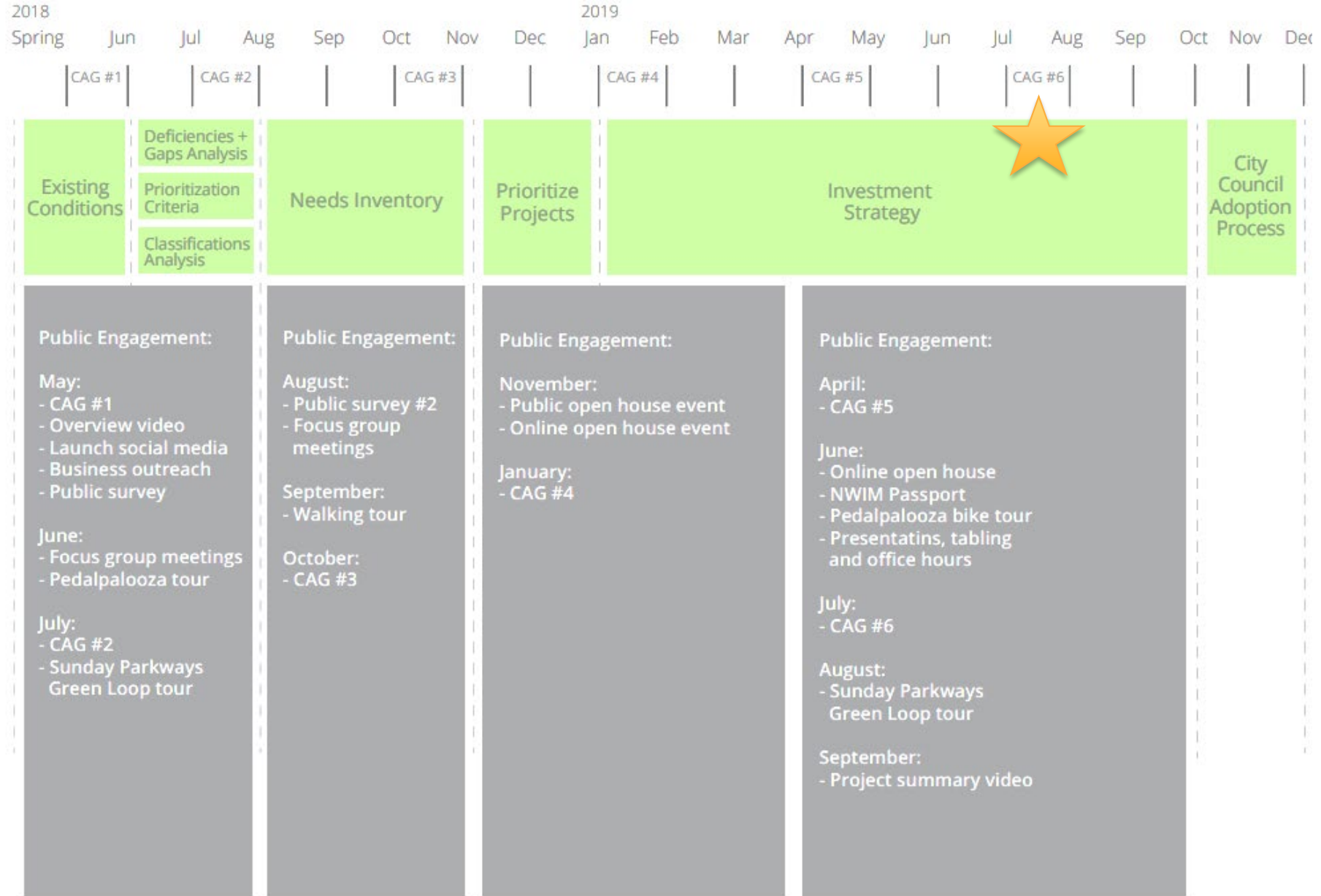


PBOT
PORTLAND BUREAU OF TRANSPORTATION

Tonight's Agenda

5:30 p.m.	Welcome, Introductions + Agenda Review
5:45 p.m.	Public Comment
5:55 p.m.	Public Involvement Update
6:05 p.m.	Review Updates to Project Concepts Based on Feedback
7:25 p.m.	Next Steps





Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Public Comment



Do you have anything to share with the group?

Public Involvement Update



June Outreach At-A-Glance

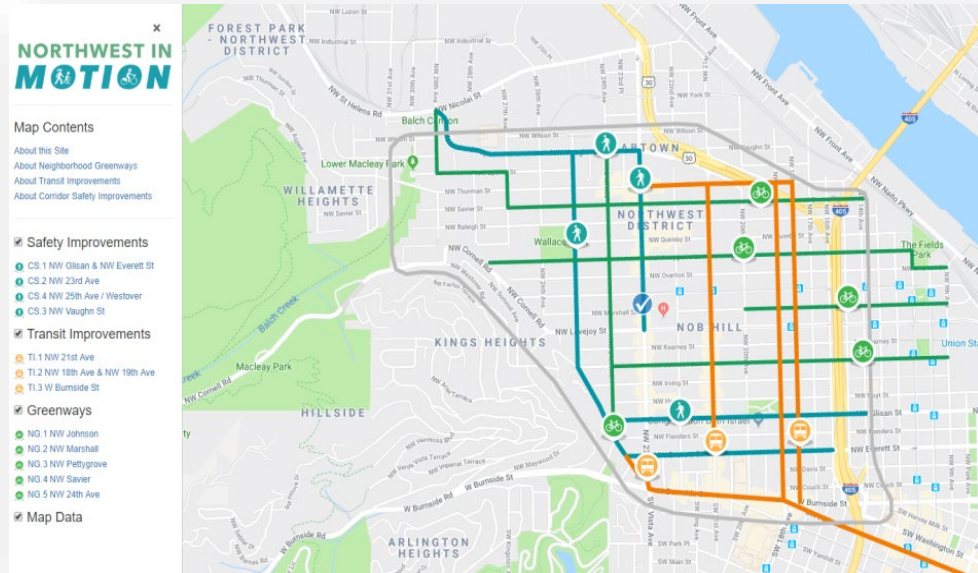
- Online open house (6/1 – 6/30)
- 5 “Office Hours” Tabling Events
- 6 Presentations
 - NWDA Transportation + Planning Committees
 - Pearl District Business Association
 - Edge Lofts Building Condo Association
 - Pearl District Neighborhood Association
 - NW Parking SAC
 - Home Forward
- 2 Pedalpalooza rides
- NWIM Passport + sidewalk decals
- Prizes too!

Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Public Involvement Update



Who did we hear from?

- Online Open House: 1,255 unique visitors with 984 comments
- 45 emails
- Plus, all the great feedback from Office Hours events, in-person meetings and presentations

Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Public Involvement Update

Overarching Key Themes:

- Lots of overall support, with MANY ideas for adjustments
- Most agree that it does not feel safe riding a bike on existing NW streets
- There is a lot of demand for improved pedestrian crossings
- Bus stops feel hidden
- Many concerns that diverters will add to already congested streets
- Some concerns about how projects will affect business access
- Mixed feelings: Some would like to the plan to go further and others are worried about making it harder for drivers

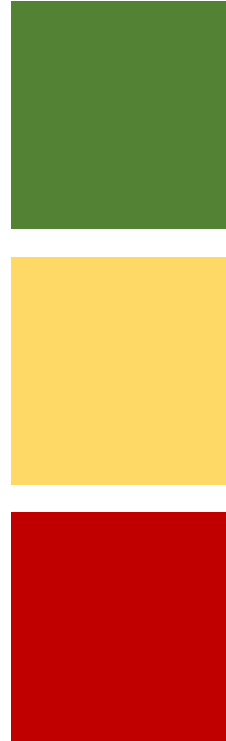
NWIM Draft Projects

Ways to give feedback tonight:

1



2



3

NORTHWEST IN
MOTION

Comment
Form

Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Neighborhood Greenway Strategy

STEP #1

Reinforce existing edges. I-405, NW Cornell, & NW Vaughn street define the edges of Northwest. These natural edges can be strengthened to redirect through traffic to collectors and traffic calm the neighborhood as a whole.

Measure traffic volumes & speeds.

Does the neighborhood greenway meet standards for traffic speeds and traffic volumes?

● Yes. Stop here and continue to monitor.

Enjoy your new low-stress walking and biking route.

● No. Proceed to Step #2

Engage with neighborhoods as additional traffic diverters are planned in order to meet neighborhood greenway standards.

STEP #2

Strategically consider additional traffic pattern changes. The initial round of traffic diverters are designed to reduce regional trips on Northwest streets. However, additional diverters may be required to meet greenway standards. Locations for additional diverters are identified for each of the five Tier 1 Neighborhood Greenway projects.

Measure traffic volumes & speeds.

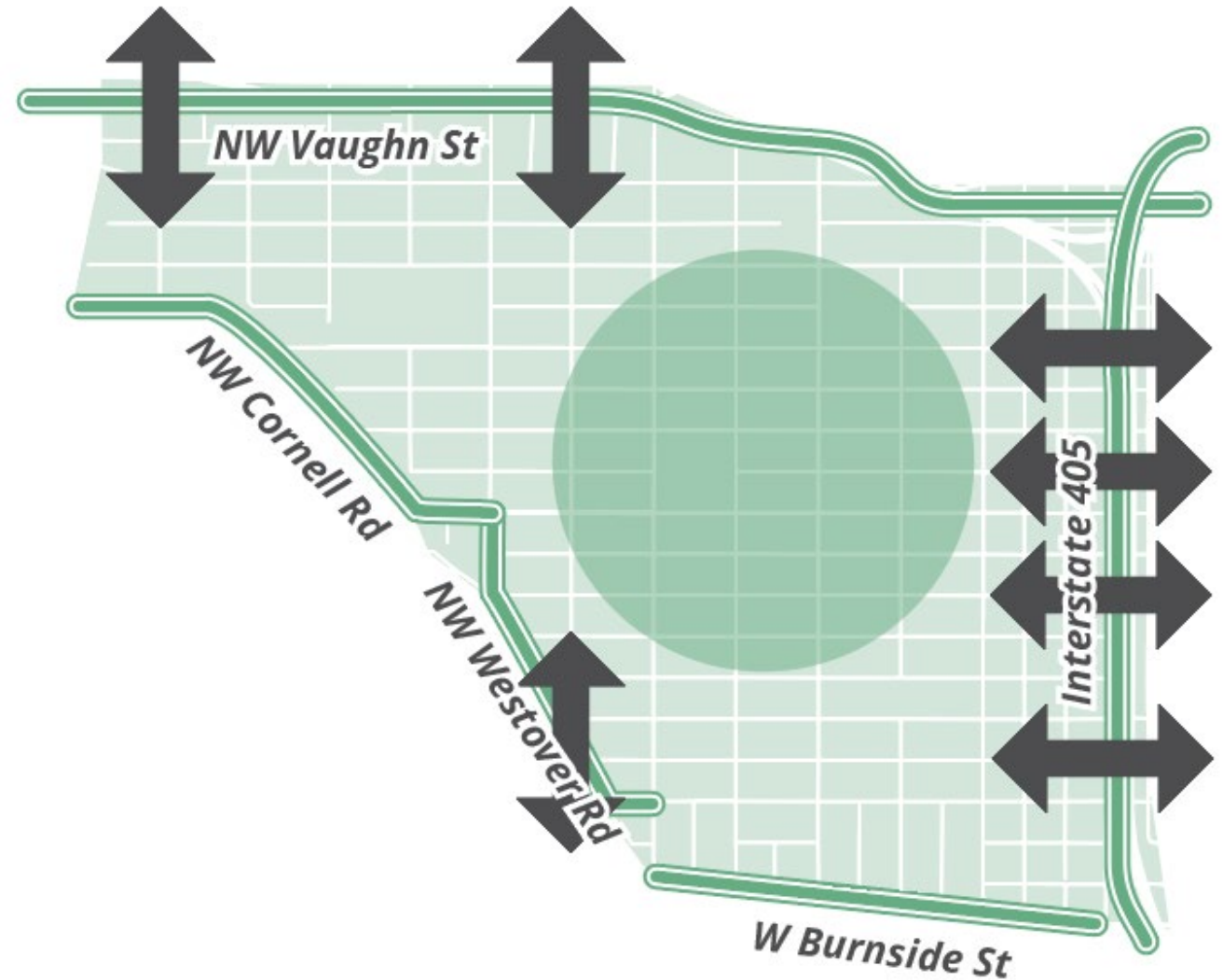
Does the neighborhood greenway meet standards for traffic speeds and traffic volumes?

● Yes. Stop here and continue to monitor.

Enjoy your new low-stress walking and biking route.

● No. Consider additional diversion as required.

Engage with neighborhoods as additional traffic diverters are planned in order to meet neighborhood greenway standards.



Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Neighborhood Greenway Strategy



Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Neighborhood Greenway Strategy

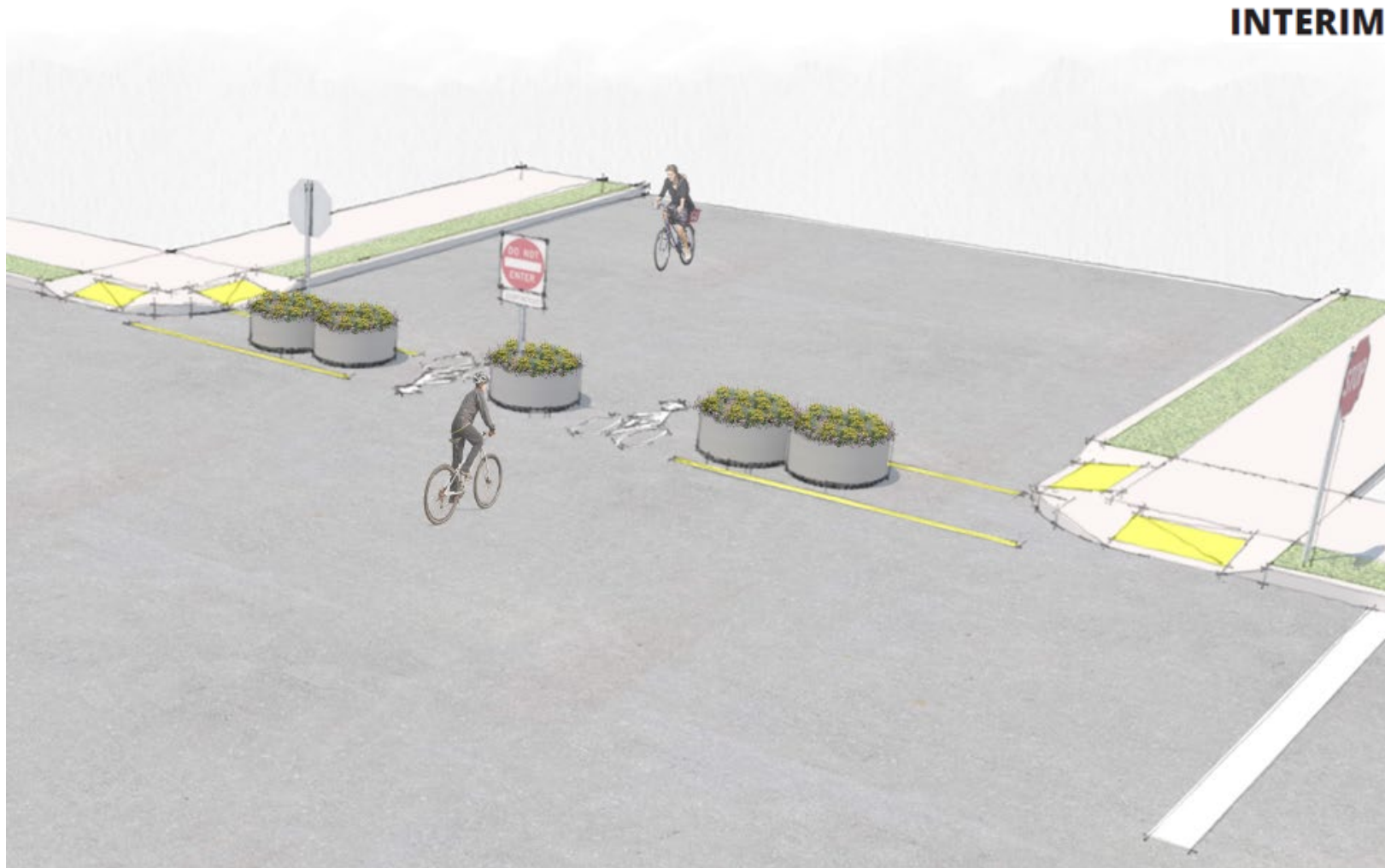


Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Neighborhood Greenway Strategy



Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Neighborhood Greenway Strategy



Northwest in Motion

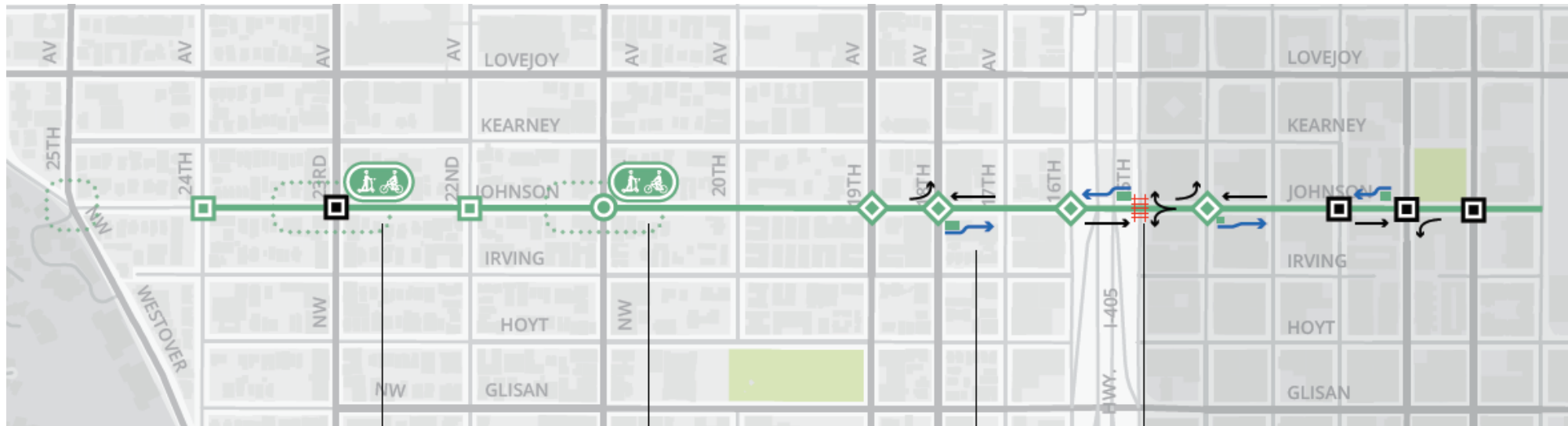


PBOT
PORTLAND BUREAU OF TRANSPORTATION

What We Proposed

NG.1

NW Johnson Neighborhood Greenway



Scooter and bike parking hubs at the intersection of NW 21st Ave and NW 23rd Ave

Between NW 17th Ave and NW 18th Ave, eastbound vehicle movements are restricted, while allowing bikes to travel in both directions.

Alternating one-way streets with contraflow bike lane between NW 11th Ave and NW 18th Ave (see detail on next page).

Northwest in Motion



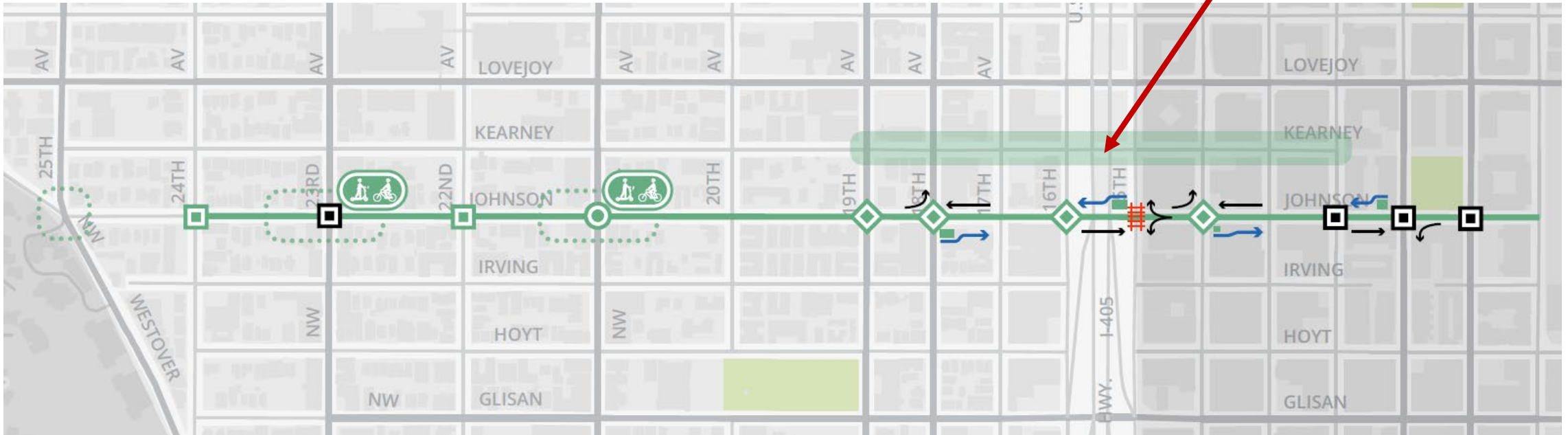
PBOT
PORTLAND BUREAU OF TRANSPORTATION

Potential Updates

NG.1

NW Johnson Neighborhood Greenway

Monitor traffic volumes and speeds on Kearney and mitigate if necessary (marked crosswalks, speed bumps, diversion, etc)



Northwest in Motion

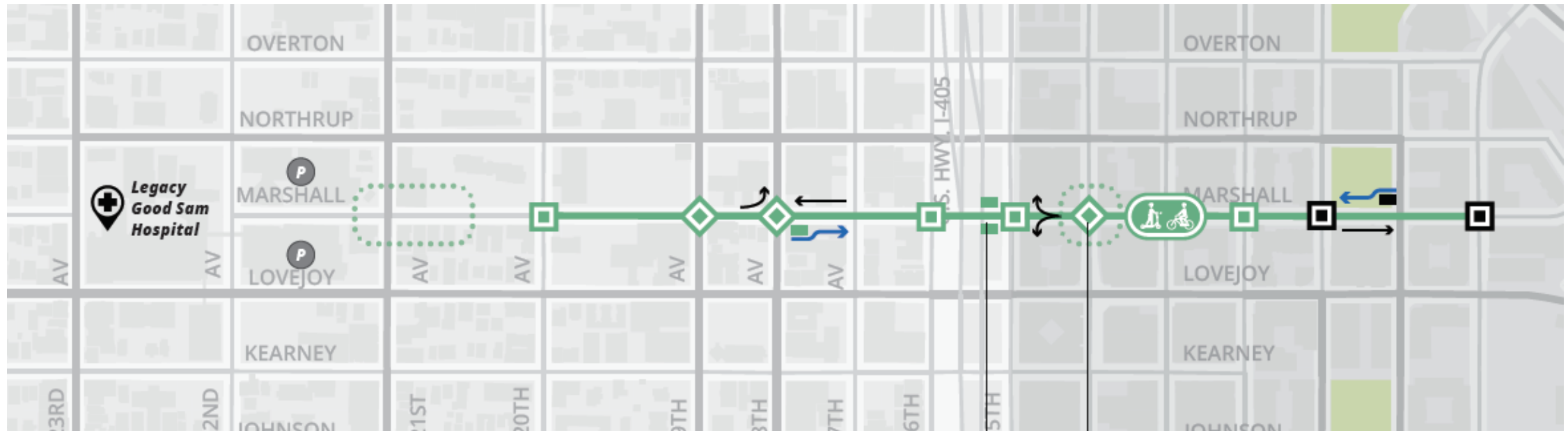


PBOT
PORTLAND BUREAU OF TRANSPORTATION

What We Proposed

NG.2

NW Marshall Neighborhood Greenway



Full diverter at west side of NW Marshall St and NW 15th Ave allows full access for people walking and biking. (see detail on next page)

Bikes behind crossing island and improved curb extension at northeast corner.

Northwest in Motion



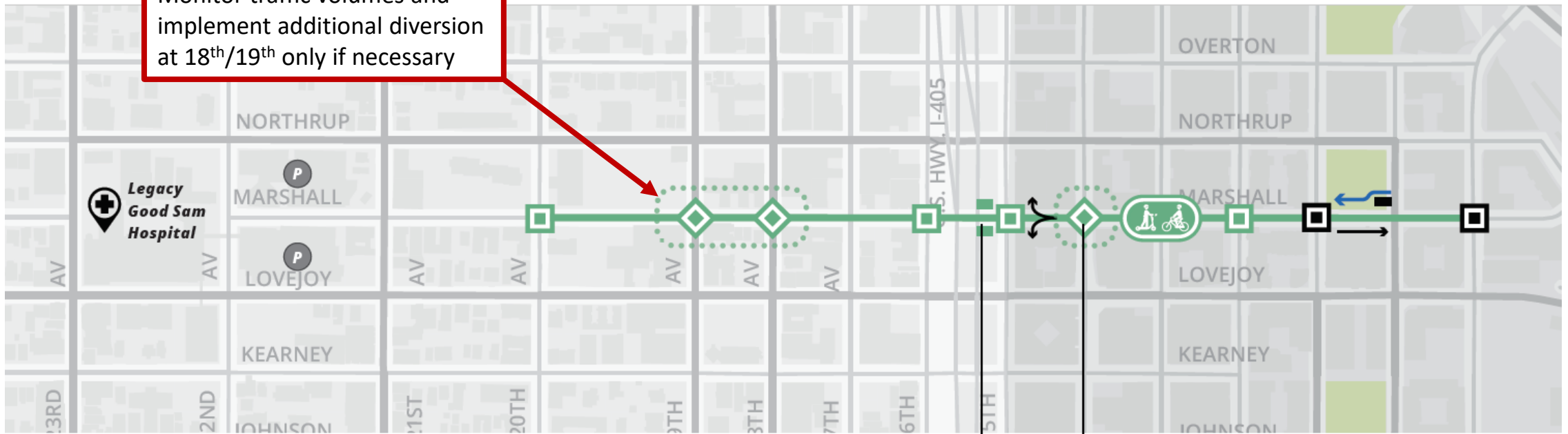
PBOT
PORTLAND BUREAU OF TRANSPORTATION

Potential Updates

NG.2

NW Marshall Neighborhood Greenway

Monitor traffic volumes and implement additional diversion at 18th/19th only if necessary



Full diverter at west side of NW Marshall St and NW 15th Ave allows full access for people walking and biking. (see detail on next page)

Bikes behind crossing island and improved curb extension at northeast corner.

Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

What We Proposed



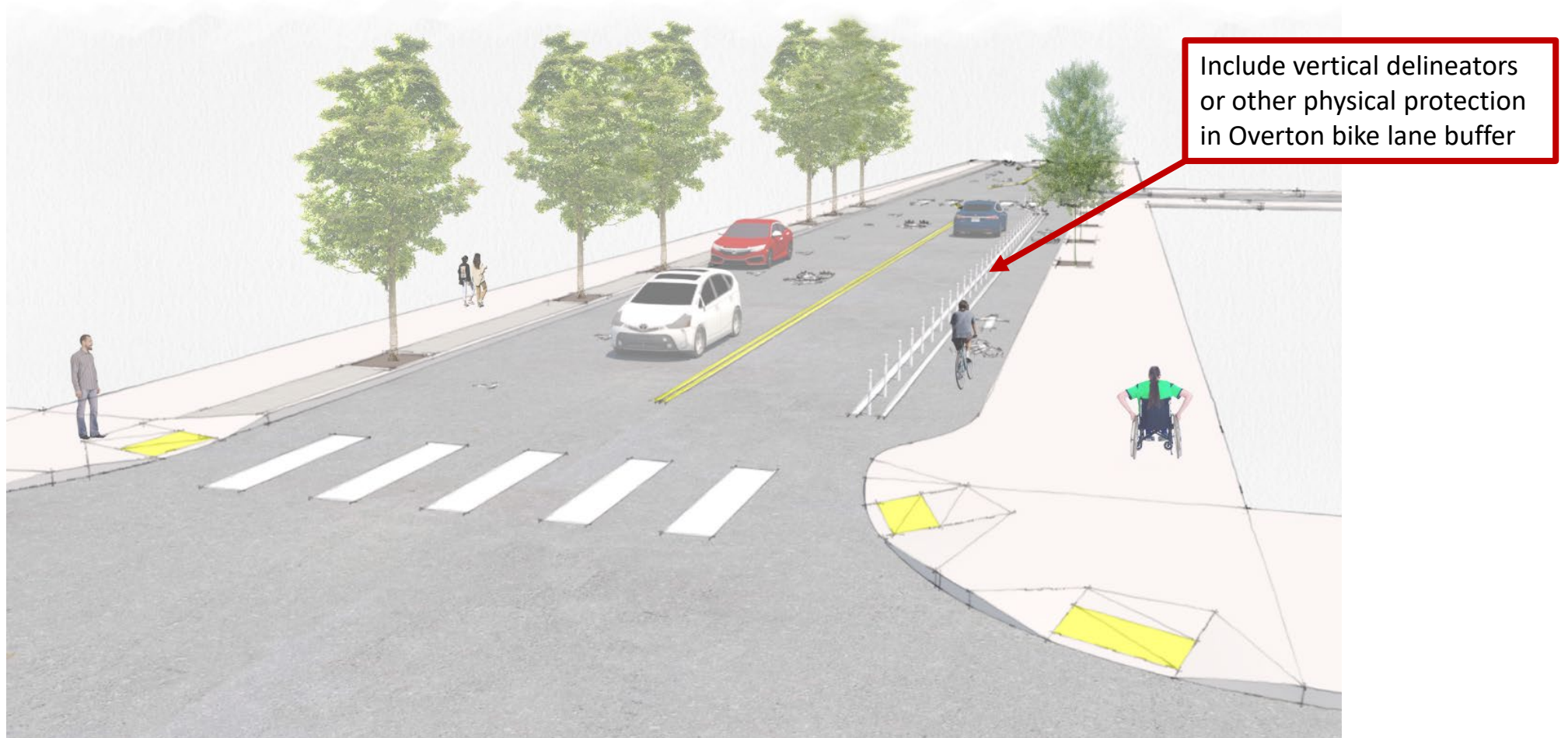
NW Overton St (9th – 11th)

Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Potential Updates



NW Overton St (9th – 11th)

Northwest in Motion

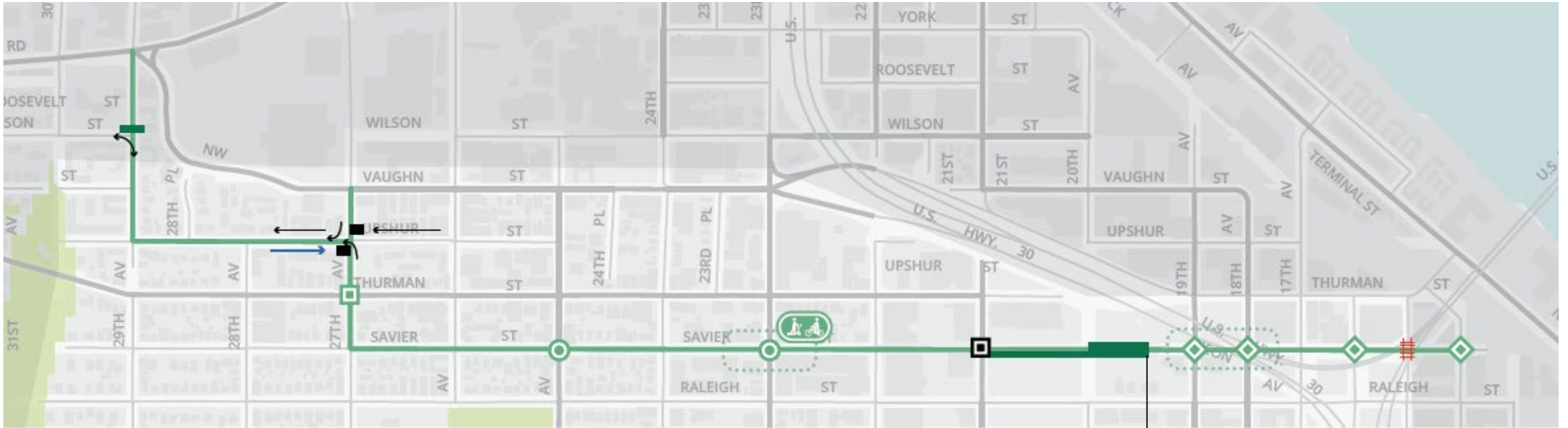


PBOT
PORTLAND BUREAU OF TRANSPORTATION

What We Proposed

NG.4

NW Savier Neighborhood Greenway



Striped interim two-way bikeway on existing half street

Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Savier Neighborhood Greenway Phasing



TODAY



1st
PHASE



2nd
PHASE



Northwest in Motion



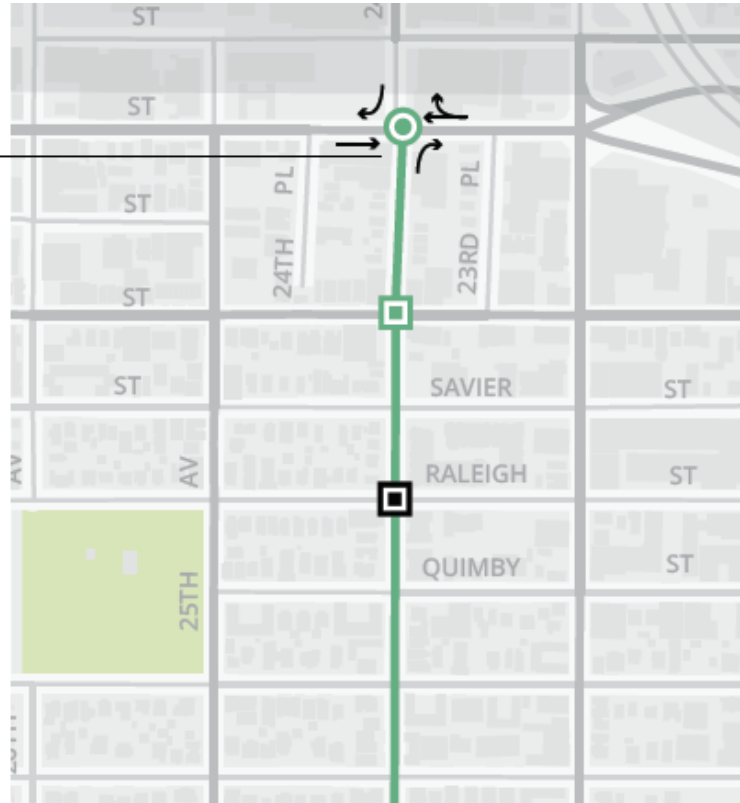
PBOT
PORTLAND BUREAU OF TRANSPORTATION

What We Proposed

NG.5

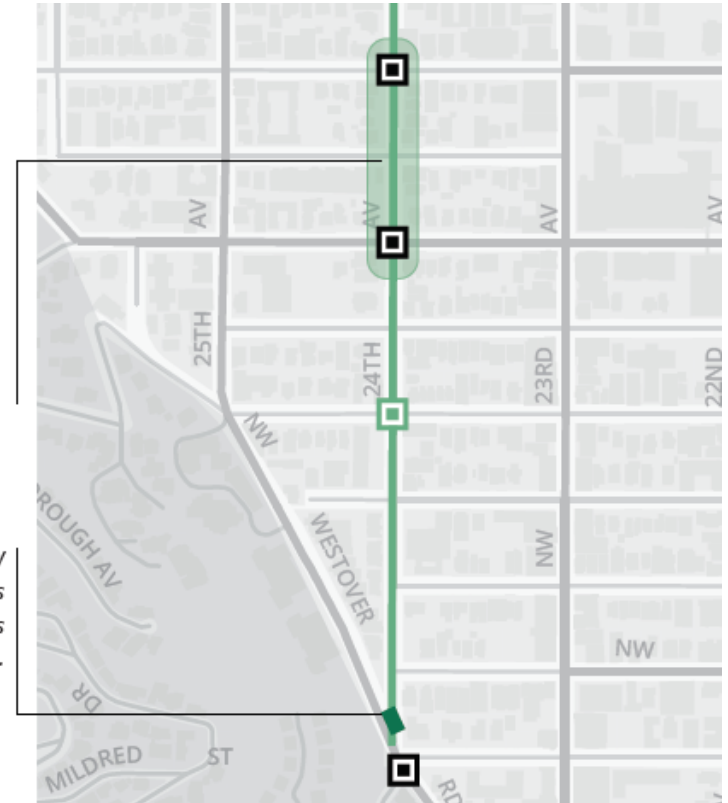
NW 24th Ave Neighborhood Greenway

A proposed traffic diverter and crossing improvement limits access to NW 24th Ave from NW Vaughn.



Traffic diversion is required on NW 24th Ave north of NW Lovejoy St to meet Neighborhood Greenway standards. Two alternative strategies are detailed on the next page.

Full closure of NW 24th Ave at NW Westover Rd / Flanders St preserves local access and creates a low-stress connection between two great bikeways.



Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

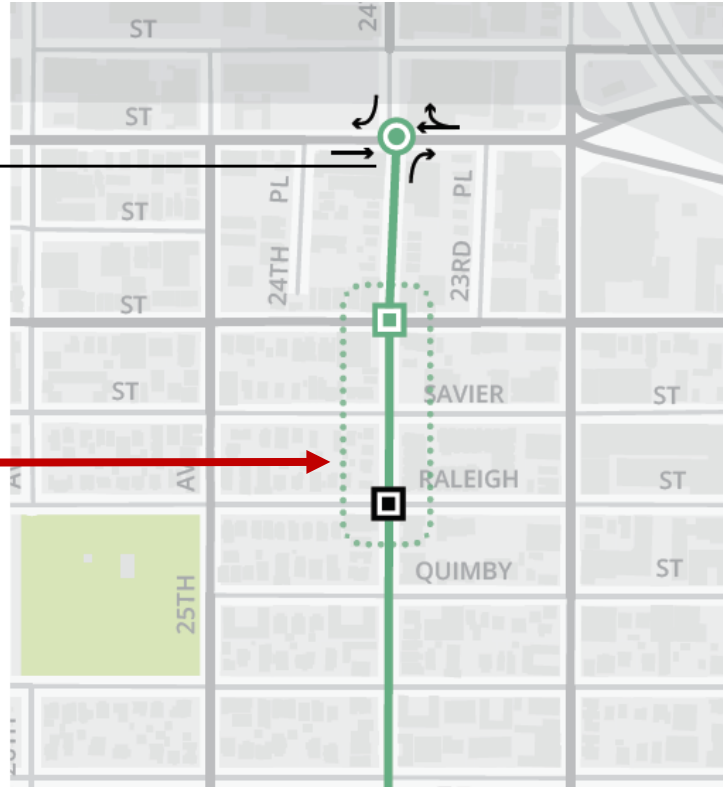
Potential Updates

NG.5

NW 24th Ave
Neighborhood Greenway

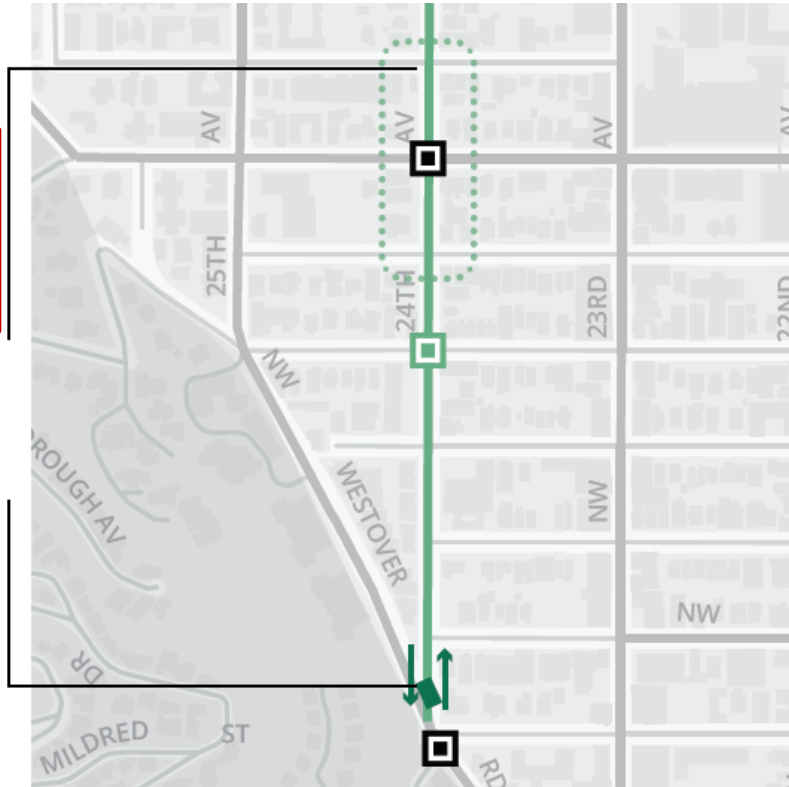
A proposed traffic diverter and crossing improvement limits access to NW 24th Ave from NW Vaughn.

Monitor traffic volumes and implement additional diversion from Raleigh to Thurman only if necessary



Monitor traffic volumes and implement additional diversion around Lovejoy only if necessary

Full closure of NW 24th Ave at NW Westover Rd / Flanders St preserves local access and creates a low-stress connection between two great bikeways.



Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Project List Updates

DRAFT TIER ONE PRJOECTS SPRING 2019

NEIGHBORHOOD GREENWAYS

- NG 1** NW Johnson St
- NG 2** NW Marshall St
- NG 3** NW Pettygrove St
- NG 4** NW Savier St
- NG 5** NW 24th Ave

TRANSIT IMPROVEMENTS

CORRIDOR IMPROVEMENTS

- TI 3** W Burnside St
- CI 3** NW 25th Ave / Westover Rd
- CI 2** NW 23rd Ave
- TI 2** NW 18th / 19th Ave
- TI 1** NW 21st Ave
- CI 1** NW Everett / Glisan St
- CI 4** NW Vaughn St

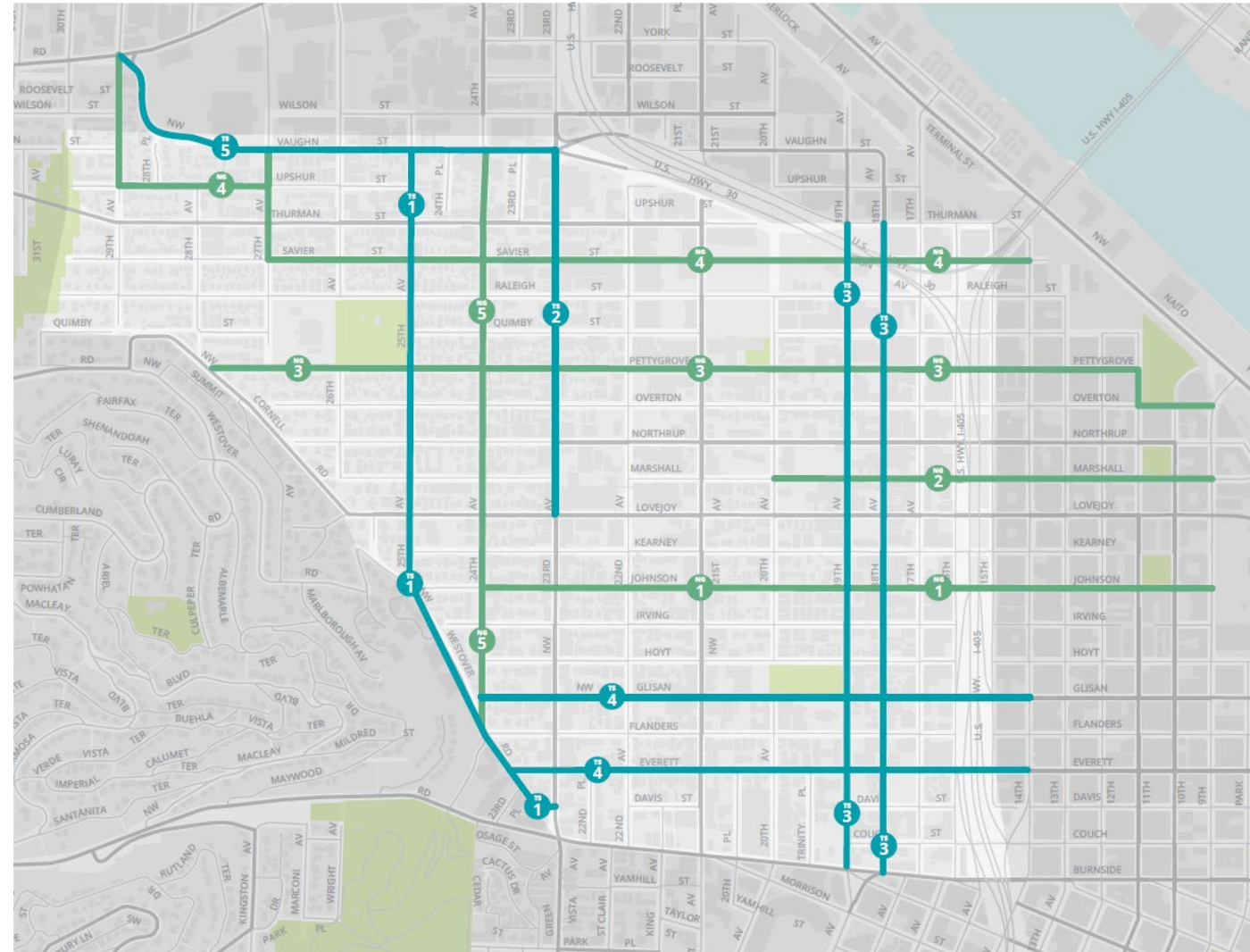
UPDATED TIER ONE PRJOECTS SUMMER 2019

NEIGHBORHOOD GREENWAYS

- NG 1** NW Johnson St
- NG 2** NW Marshall St
- NG 3** NW Pettygrove St
- NG 4** NW Savier St
- NG 5** NW 24th Ave

TRANSIT & SAFETY PROJECTS

- TI 1** NW 25th Ave / Westover Rd
- TI 2** NW 23rd Ave
- TI 3** NW 18th / 19th Ave
- TI 4** NW Everett / Glisan St
- TI 5** NW Vaughn St



Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

What We Proposed



Northwest in Motion

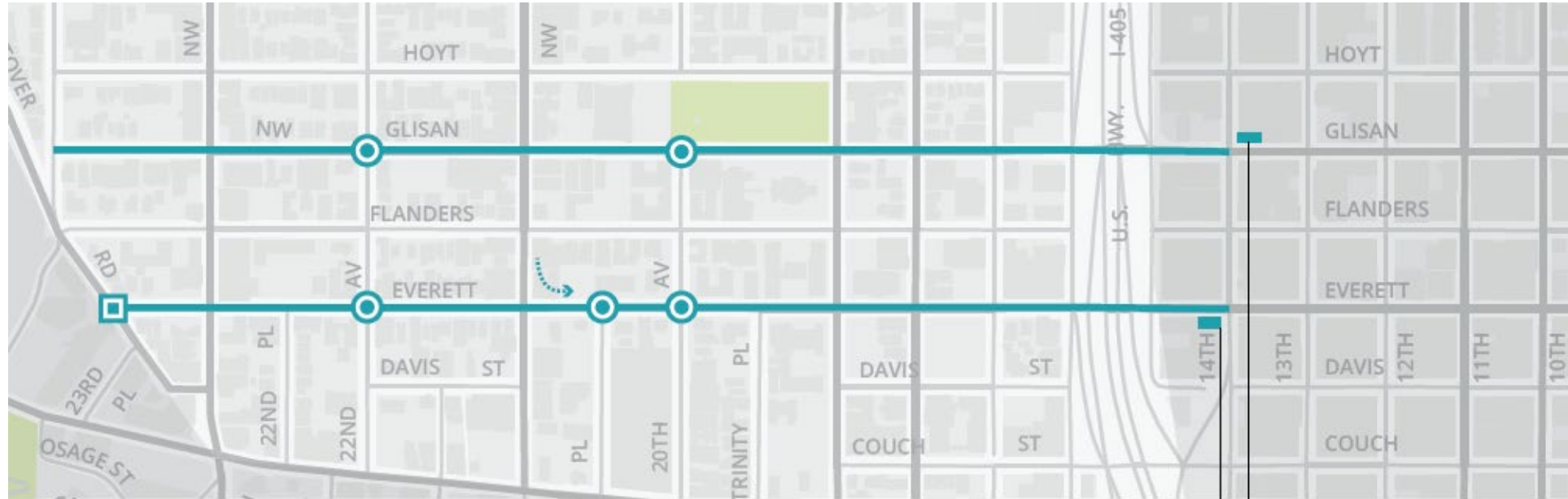


PBOT
PORTLAND BUREAU OF TRANSPORTATION

What We Proposed

CS.1

NW Glisan / Everett St



Curb extensions with improved bus stops to facilitate boarding and slow right turns.

Northwest in Motion



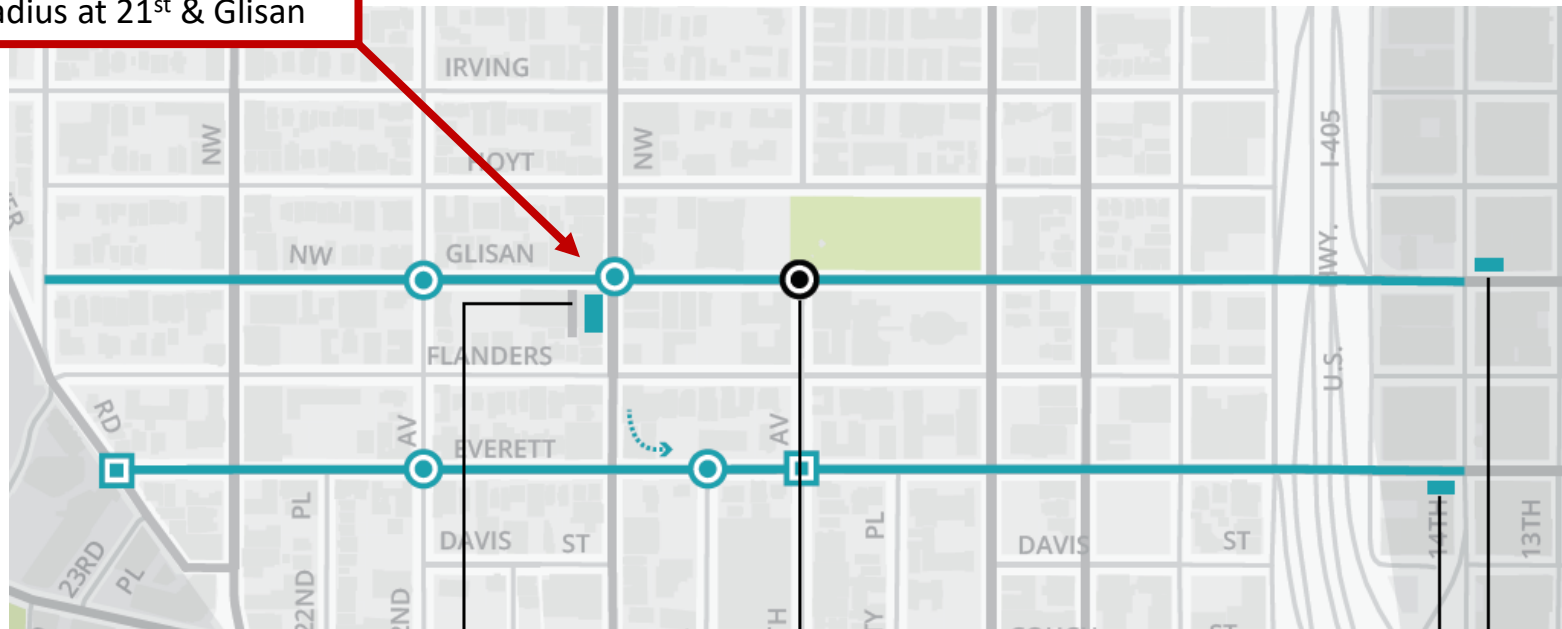
PBOT
PORTLAND BUREAU OF TRANSPORTATION

Potential Updates

CS.1

NW Glisan / Everett St

Add curb extensions, bus stop improvement, and improve bus turning radius at 21st & Glisan



Bus stop optimization, pedestrian crossing, and accessibility upgrades

Recently funded enhanced crossing

Curb extensions with improved bus stops to facilitate boarding and slow right turns.

Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

What We Proposed

CS.1

NW Glisan / Everett St

- 1 **Measure current bike volumes** on NW Everett St to establish a baseline for future comparison.
- 2 **Establish objective measurements** with clear thresholds for bike volumes to support a decision **whether bike lane should remain**.
- 3 **Fully implement** neighborhood greenway on **NW Flanders St**.
- 4 **Measure bike volumes on NW Everett St** after an agreed upon period of time.

* If bike volumes **do not meet thresholds**.

Engage the public and determine new cross section on NW Everett St. Use of the space could be repurposed for:

- 1) on-street parking
- 2) transit priority lanes
- 3) shared turn and bike lane
- 4) vehicle travel lanes*

** if vehicle travel lanes are chosen, improved pedestrian crossings will be required to ensure safety and access of people walking is not compromised.*

NORTHWEST IN MOTION | 29

Potential Updates

TS.4

NW Glisan / Everett St

Multimodal evaluation needed to inform any future redesign of Everett St after Flanders Bikeway implementation

- 1 **Establish a baseline of comparison**, by measuring **current traffic conditions** on NW Everett, including:
 - Vehicle Traffic Volumes
 - Transit Ridership & Delay
 - Bicycle & E-Scooter Volumes
 - Safety & Crash Data

If new traffic measurements indicate major changes in travel behavior or significant increases in delay for any given mode, a new cross-section should be considered.

- 2 **Fully implement** planned neighborhood greenway on **NW Flanders** & pedestrian crossing improvements on **NW Everett & Glisan St.**

- 3 **Wait for one year** to allow traffic behavior to adjust to new conditions.

- 4 **Measure and re-assess traffic conditions** for all metrics listed in 'step 1'.

Engage the public and determine a **new cross section for NW Everett St.** A decision to repurpose space on this busy corridor should be based in **observable data, adopted policy, and reflect the demands placed** on the street by all roadway users.

Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

What We Proposed

*Curb extensions
shorten the distance
for people crossing
busy streets.*



Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Clarification (all projects)

Pedestrian scale lighting will be added at **all** new crosswalks that include civil improvements (curb extensions, refuge islands, etc) and do not meet lighting guidelines

Pedestrian scale lighting at marked crosswalk help improve visibility.

Curb extensions shorten the distance for people crossing busy streets.



Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

What We Proposed

TL3

W Burnside St

CIRCULATION CONCEPT #1

Curb extension
redirects
southbound vehicle
movements to
signal at NW
Everett & 23rd

Continuous sidewalk
with raised crossing
at intersection of NW
Westover & 23rd.

- Major traffic movements
- Local traffic and circulation
- TriMet Line 15 Bus
- Existing signalized intersection
- Parking lot or garage



CIRCULATION CONCEPT #2

Full local access is
maintained at NW
Westover Rd and
NW Everett St.

Full closure of NW
Westover St and
NW 23rd Ave to
create a pedestrian
only connection to
Uptown Shopping
Center (see concept
on previous page).

- Major traffic movements
- Local traffic and circulation
- TriMet Line 15 Bus
- Existing signalized intersection
- Parking lot or garage



Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Potential Updates

Move forward with full closure of Westover at 23rd on an interim basis, measure impacts, and adjust if necessary before deciding whether to make permanent



TI.3

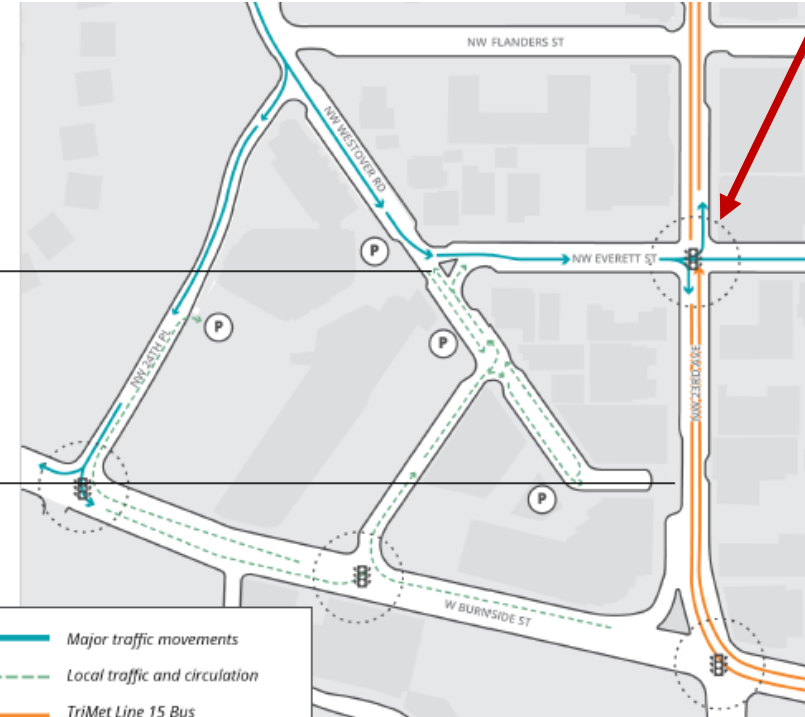
W Burnside St

Add right-turn pocket on Everett St approaching 23rd Ave to handle additional traffic from Westover Rd



Full local access is maintained at NW Westover Rd and NW Everett St.

Full closure of NW Westover St and NW 23rd Ave to create a pedestrian only connection to Uptown Shopping Center (see concept on previous page).



- Major traffic movements
- Local traffic and circulation
- TriMet Line 15 Bus
- Existing signalized intersection
- Parking lot or garage

Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

What We Proposed

TL3

W Burnside St



Traffic pattern changes to improve transit priority

*Bus stop optimization
and stop improvements*

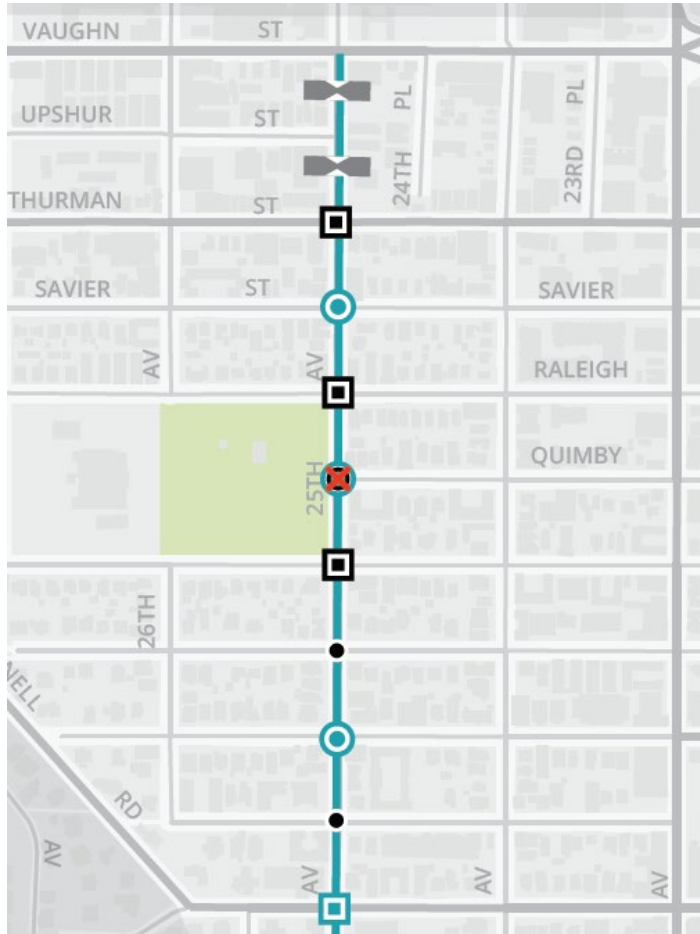
*Potential route shift
for TriMet Line 15*

Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

What We Proposed



North End

CS.4 **NW 25th Ave / Westover**



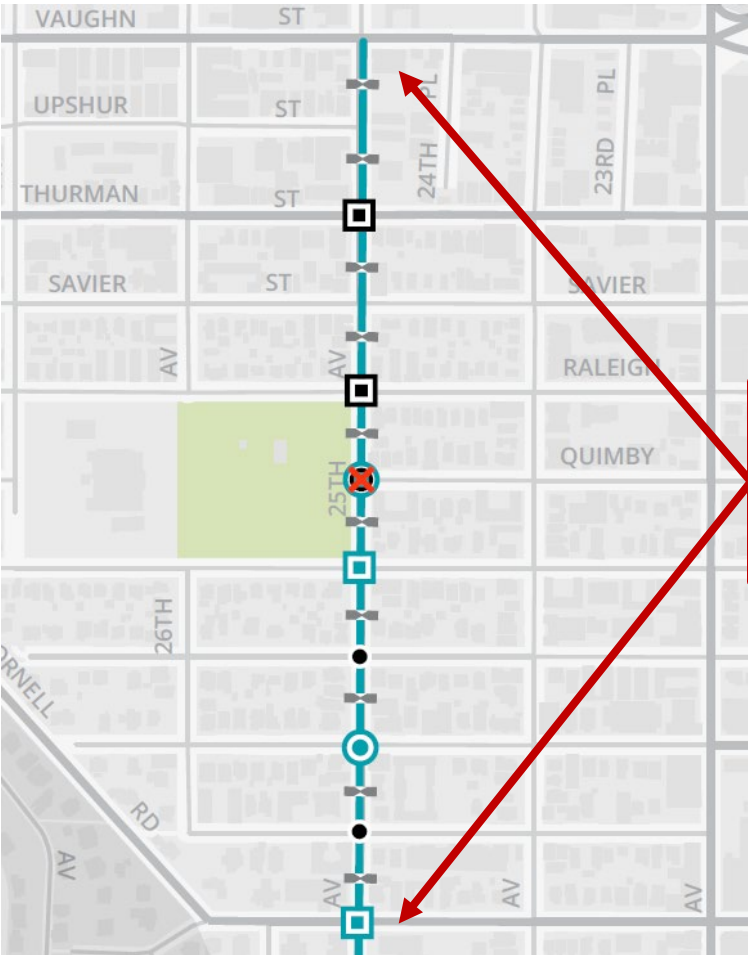
South End

Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Potential Updates



North End

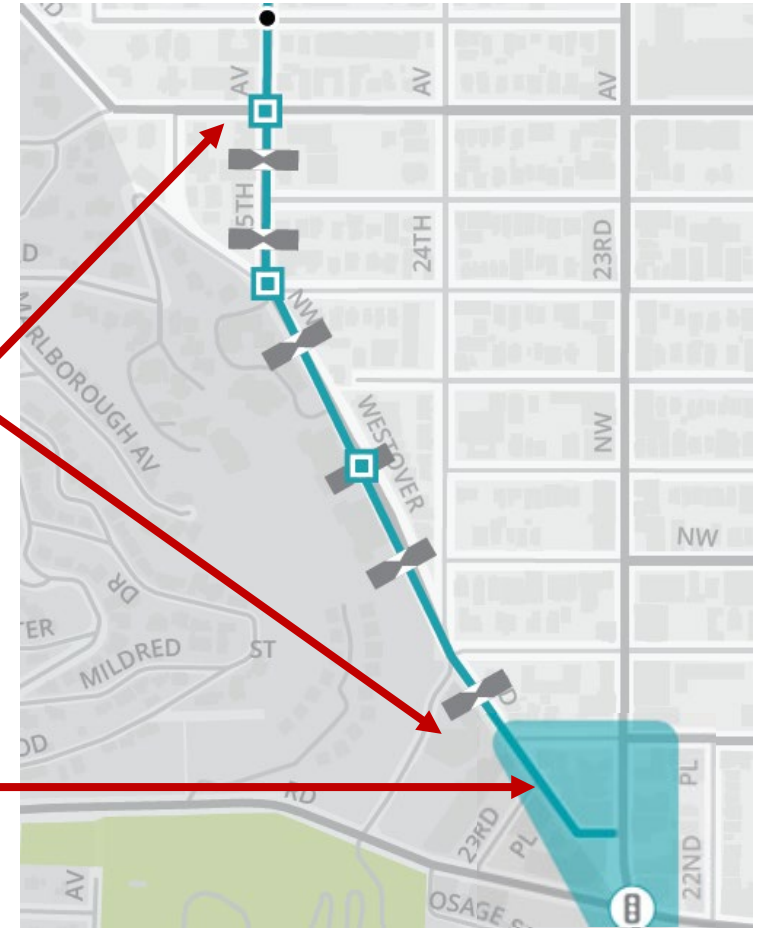


NW 25th Ave / Westover

Add speed cushions on 25th Ave to reduce speeding along 20 mph street

Drop speed limit on Westover to 20 mph, update signage, and add speed bumps

Incorporate Westover & 23rd circulation changes



South End

Northwest in Motion

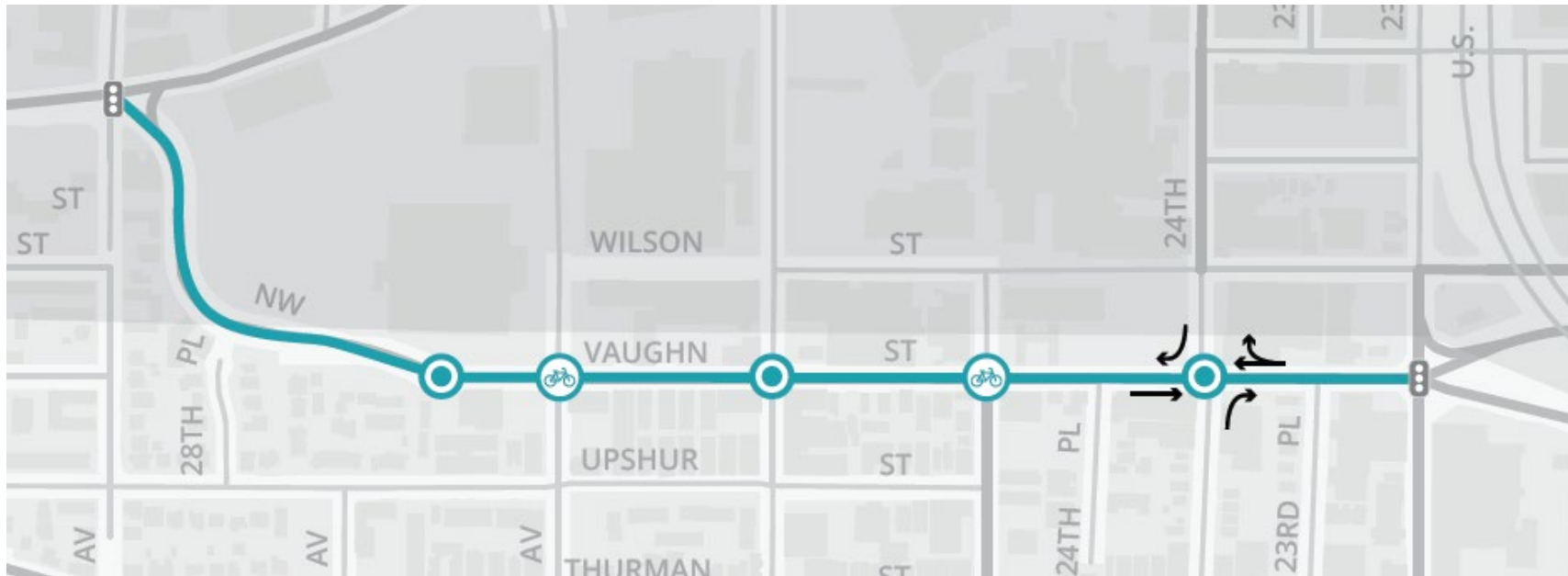


PBOT
PORTLAND BUREAU OF TRANSPORTATION

What We Proposed

CS.3

NW Vaughn St



Northwest in Motion

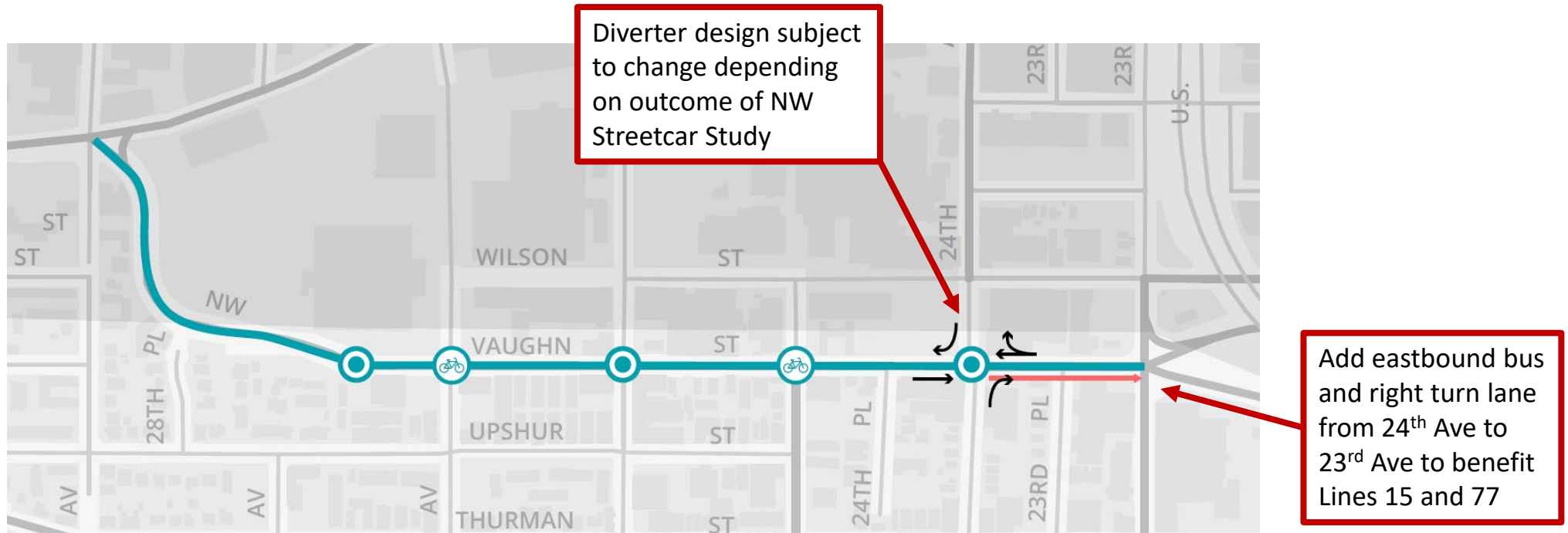


PBOT
PORTLAND BUREAU OF TRANSPORTATION

Potential Updates

CS.3

NW Vaughn St



Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Project List Updates

DRAFT TIER ONE PRJOECTS SPRING 2019

NEIGHBORHOOD GREENWAYS

- NG 1** NW Johnson St
- NG 2** NW Marshall St
- NG 3** NW Pettygrove St
- NG 4** NW Savier St
- NG 5** NW 24th Ave

TRANSIT IMPROVEMENTS

CORRIDOR IMPROVEMENTS

- TI 3** W Burnside St
- CI 3** NW 25th Ave / Westover Rd
- CI 2** NW 23rd Ave
- TI 2** NW 18th / 19th Ave
- TI 1** NW 21st Ave
- CI 1** NW Everett / Glisan St
- CI 4** NW Vaughn St

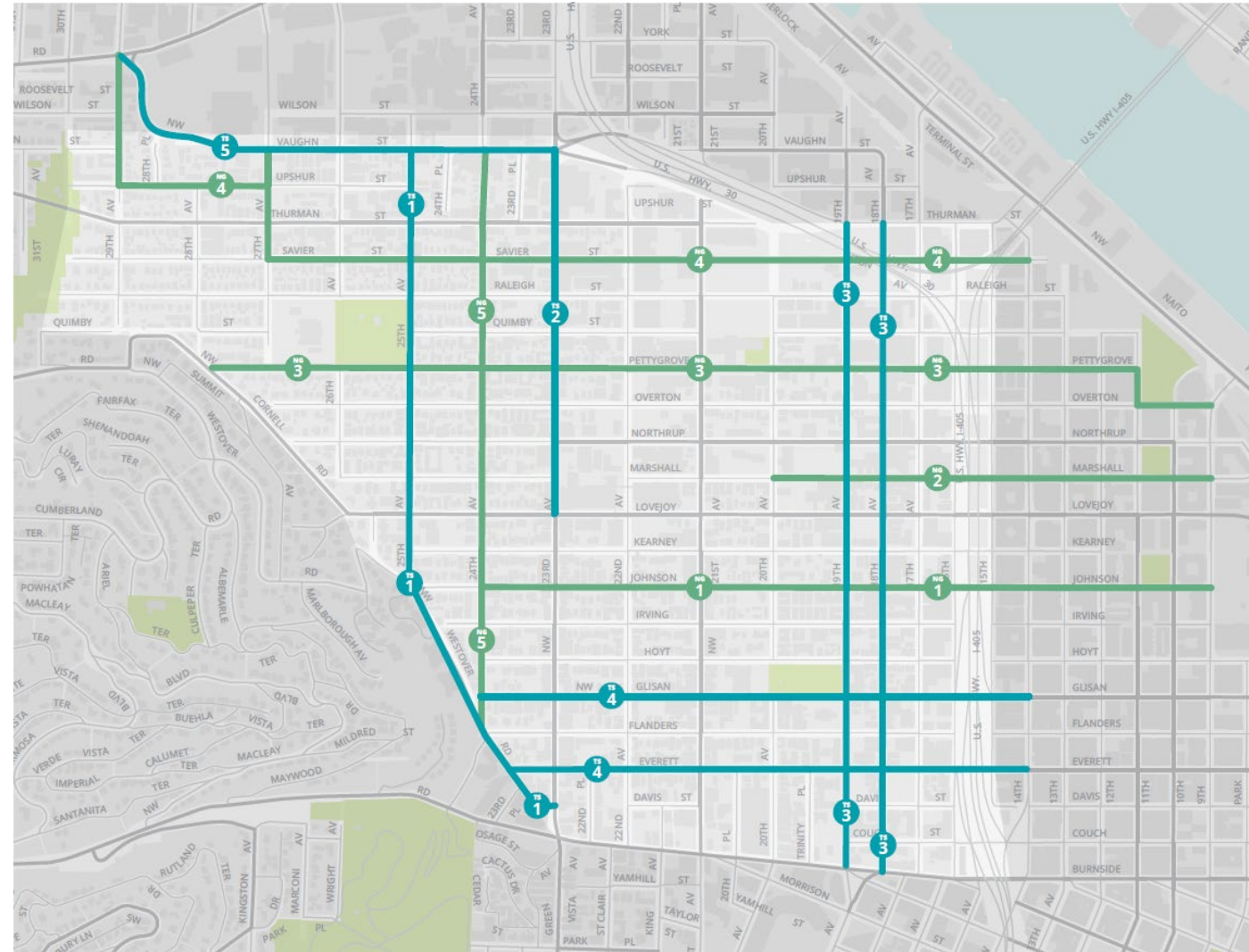
UPDATED TIER ONE PRJOECTS SUMMER 2019

NEIGHBORHOOD GREENWAYS

- NG 1** NW Johnson St
- NG 2** NW Marshall St
- NG 3** NW Pettygrove St
- NG 4** NW Savier St
- NG 5** NW 24th Ave

TRANSIT & SAFETY PROJECTS

- TI 1** NW 25th Ave / Westover Rd
- TI 2** NW 23rd Ave
- TI 3** NW 18th / 19th Ave
- TI 4** NW Everett / Glisan St
- TI 5** NW Vaughn St



Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Project List Updates

TIER ONE PROJECTS

NEIGHBORHOOD GREENWAYS

- NG 1** NW Johnson St
- NG 2** NW Marshall St
- NG 3** NW Pettygrove St
- NG 4** NW Savier St
- NG 5** NW 24th Ave

TRANSIT & SAFETY PROJECTS

- TS 1** NW 25th Ave / Westover Rd
- TS 2** NW 23rd Ave
- TS 3** NW 18th / 19th Ave
- TS 4** NW Everett / Glisan St
- TS 5** NW Vaughn St

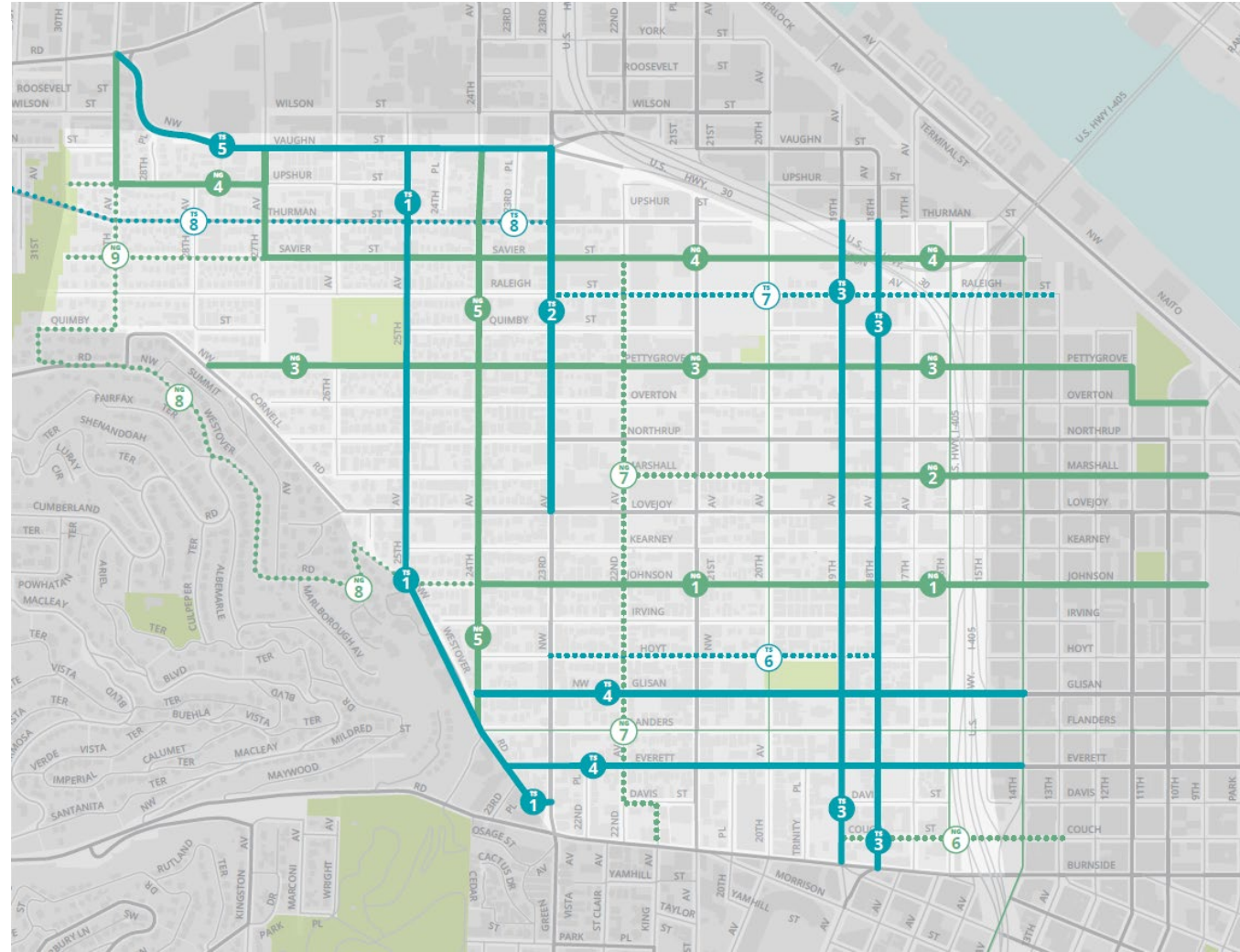
TIER TWO PROJECTS

NEIGHBORHOOD GREENWAYS

- NG 6** NW Couch St
- NG 7** NW 22nd Ave
- NG 8** NW Westover Rd
- NG 9** NW 29th / Macleay Park Circulation

TRANSIT & SAFETY PROJECTS

- TS 6** NW Hoyt St
- TS 7** NW Raleigh St
- TS 8** NW Thurman



Northwest in Motion

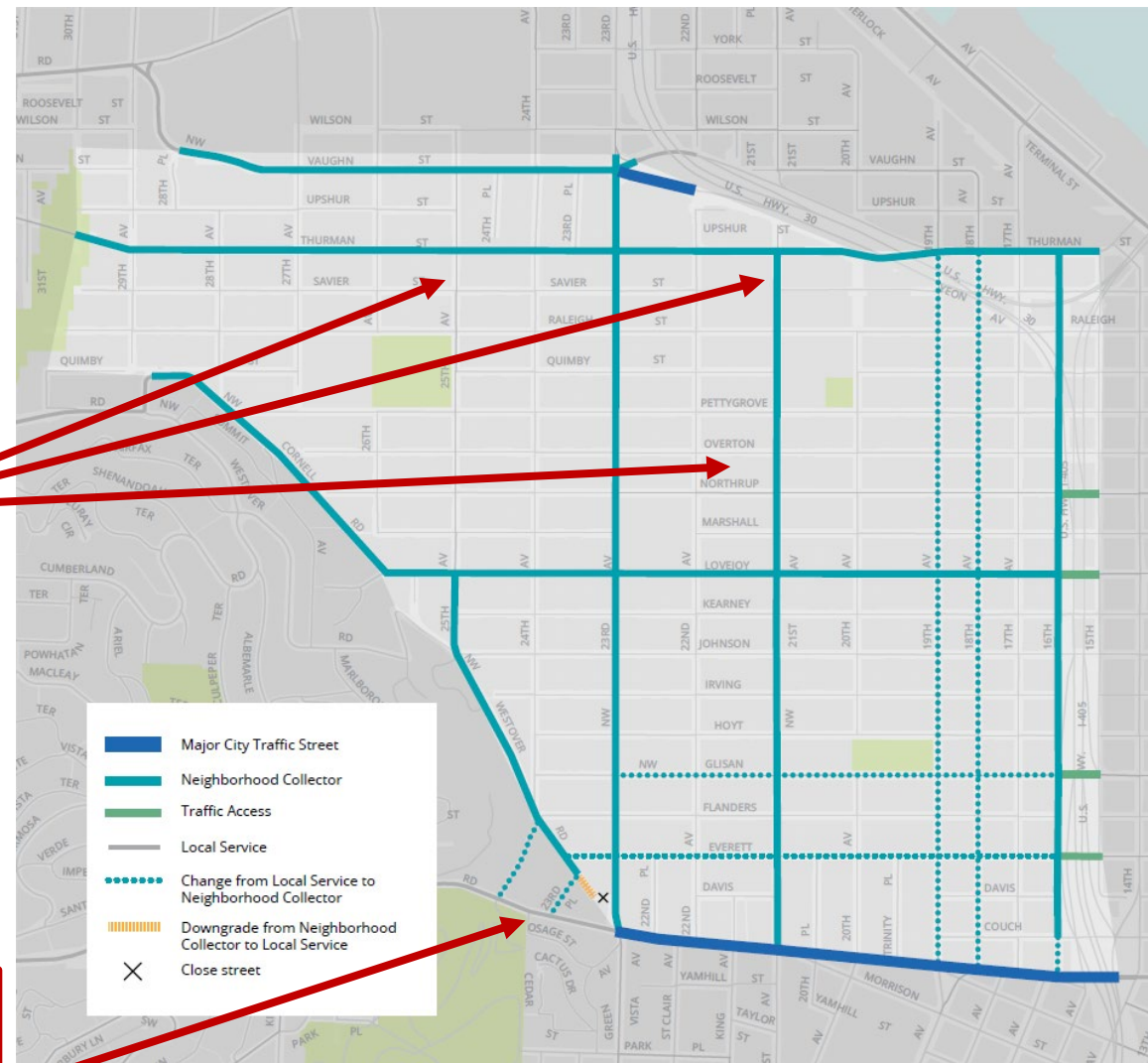


PBOT
PORTLAND BUREAU OF TRANSPORTATION

Potential Street Classification Updates

Retain the Local Service Traffic Classifications on 25th Ave, Northrup St, and Raleigh St

Upgrade 23rd Place and 24th Place to Neighborhood Collector, and downgrade Westover Rd approaching 23rd Ave to Local Service



Northwest in Motion

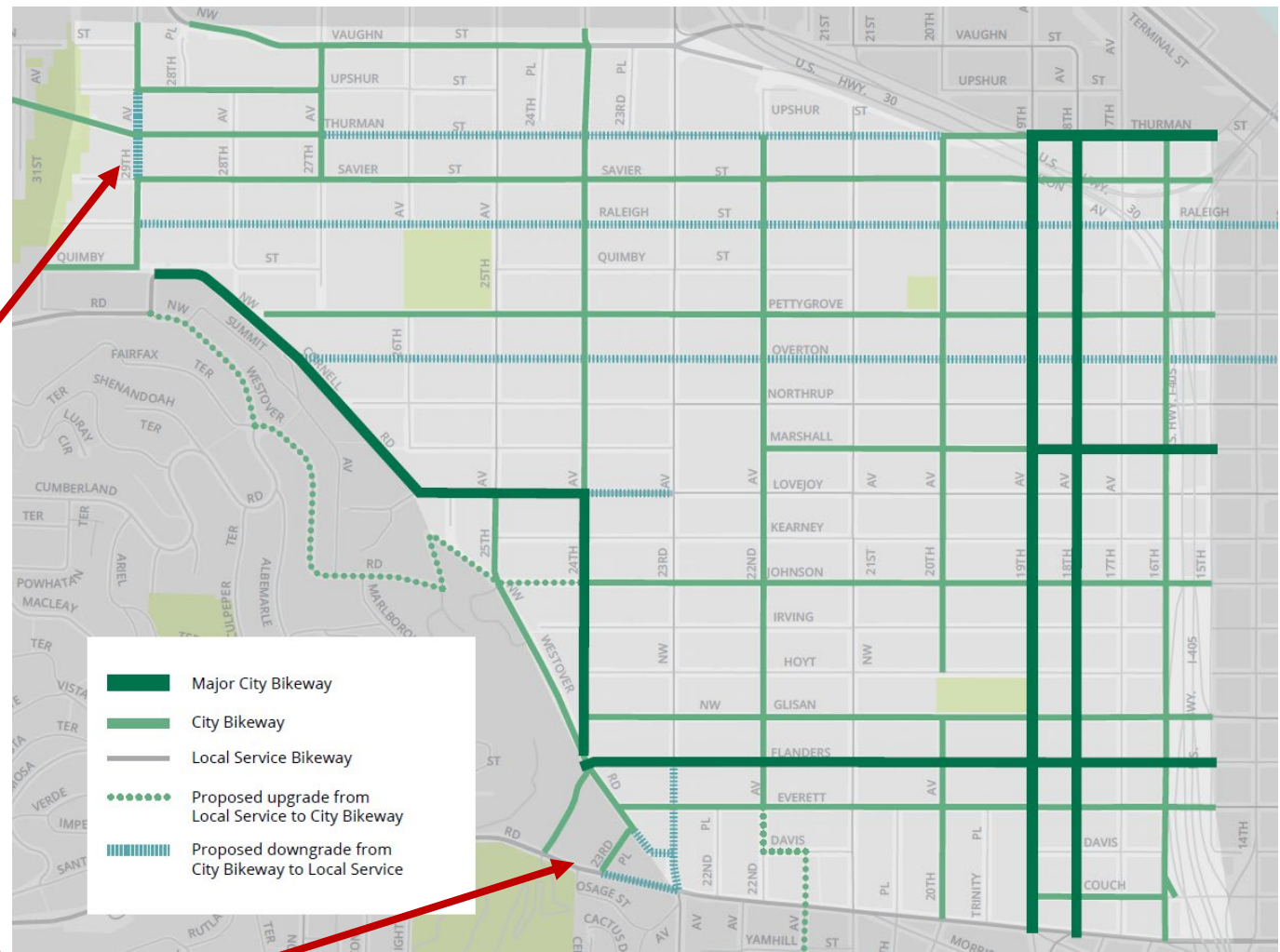


PBOT
PORTLAND BUREAU OF TRANSPORTATION

Potential Street Classification Updates

Adjust City Bikeway network to account for steep grade along 29th Ave and need for access to Forest Park via Thurman St Bridge

Adjust City Bikeway network to emphasize 23rd Place and 24th Place as main connections to/from W Burnside and Washington Park



Northwest in Motion

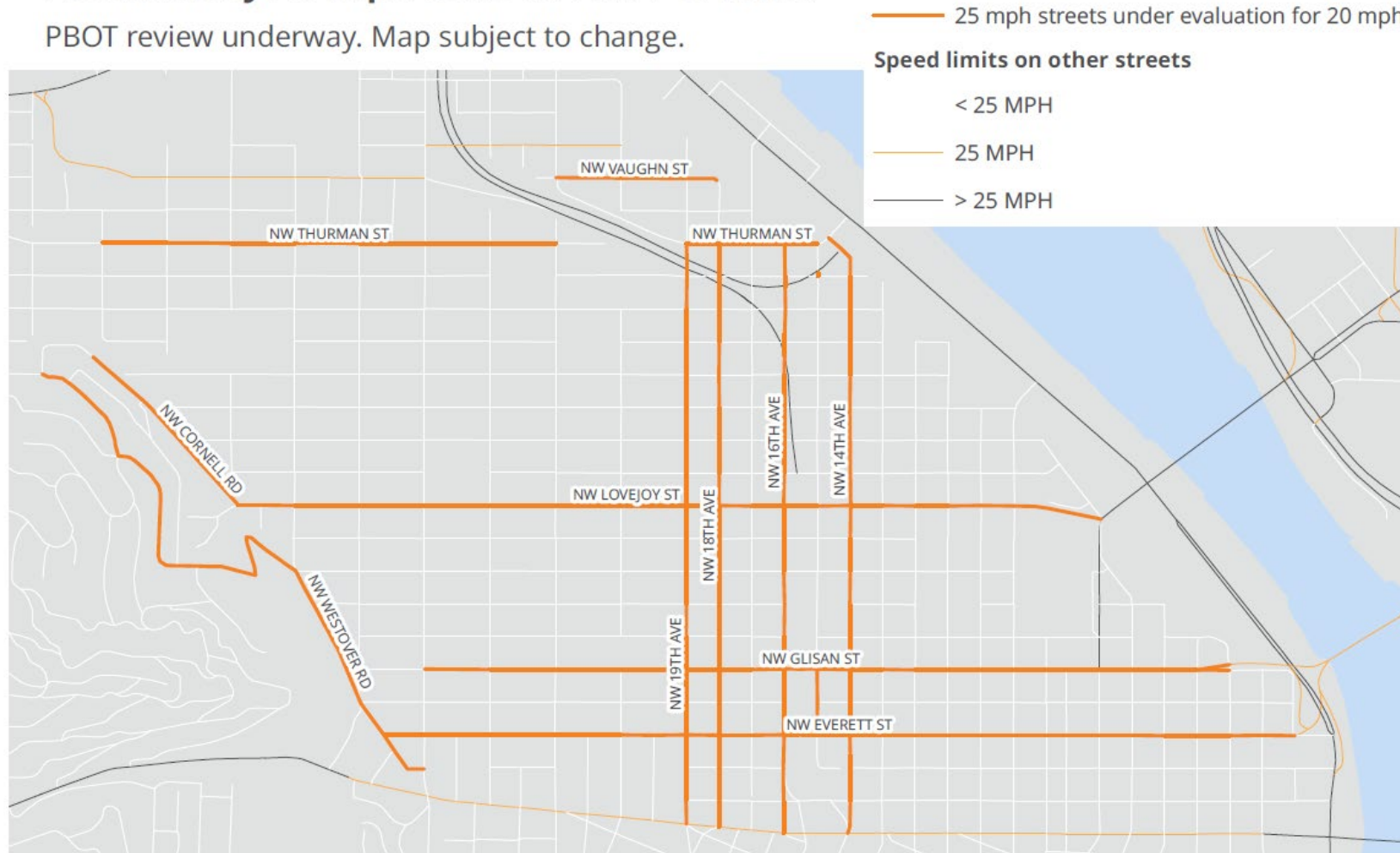


PBOT
PORTLAND BUREAU OF TRANSPORTATION

Potential Speed Limit Updates

Preliminary 20 mph zone in NW Portland

PBOT review underway. Map subject to change.



More information: visionzero@portlandoregon.gov

Northwest in Motion



PBOT
PORTLAND BUREAU OF TRANSPORTATION



Next Steps

- Develop Draft NW in Motion Plan for public review
- Includes impact analysis and implementation strategy
- Next CAG meeting in October



Thank you!