



Downtown Transportation Plan Update

**TRANSPORTATION COMMISSION
NOVEMBER 8, 2012**





Downtown Transportation Plan Update

Presentation and Discussion, November 8, 2012

- Options to integrate bicycle facilities on 112th Avenue NE between NE 6th St and NE 12th St
- Concept to integrate bicycle facilities to the NE 6th Street Pedestrian Corridor

DOWNTOWN BICYCLE FACILITIES

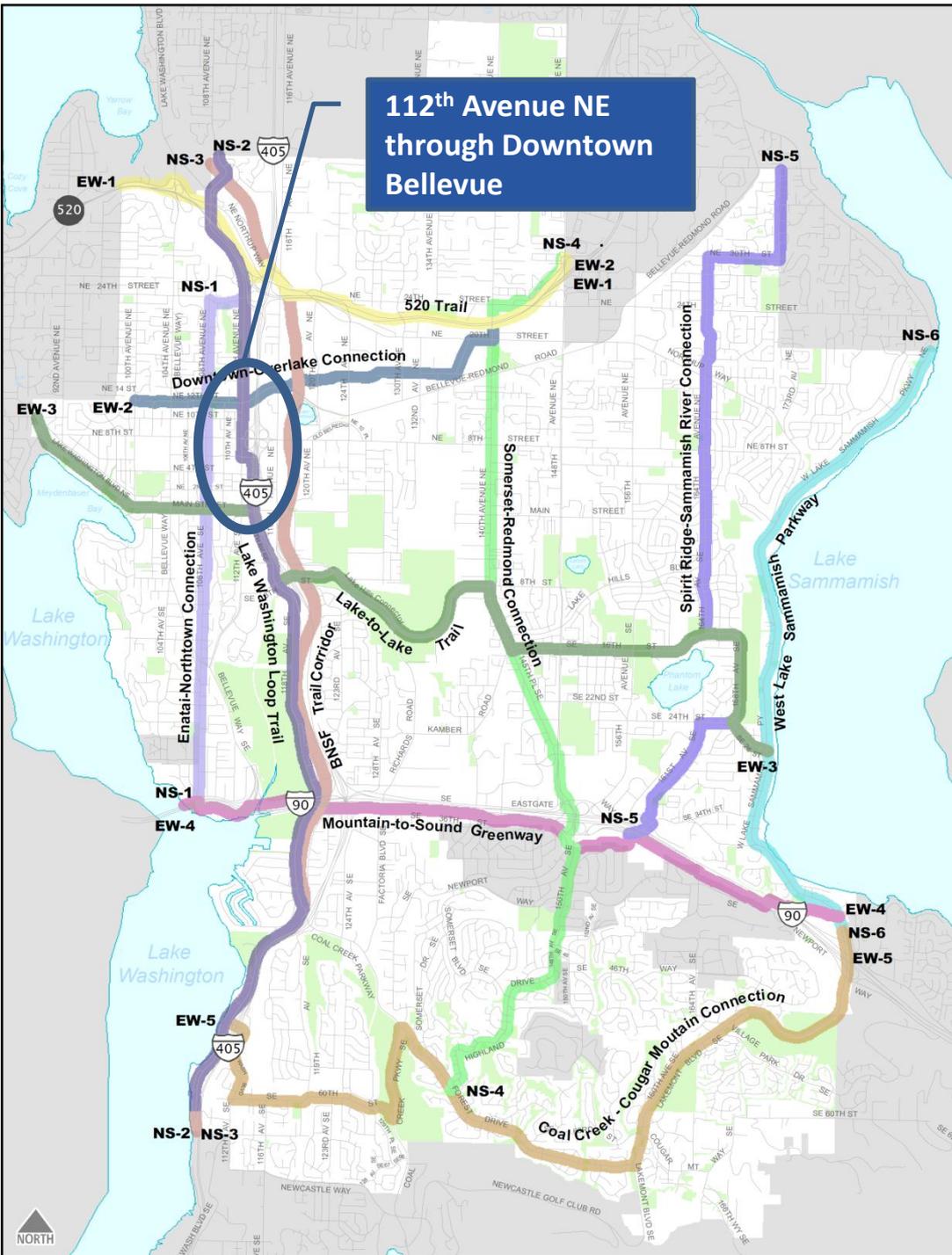
INTEGRATING BICYCLE FACILITIES ALONG

112TH AVENUE NE

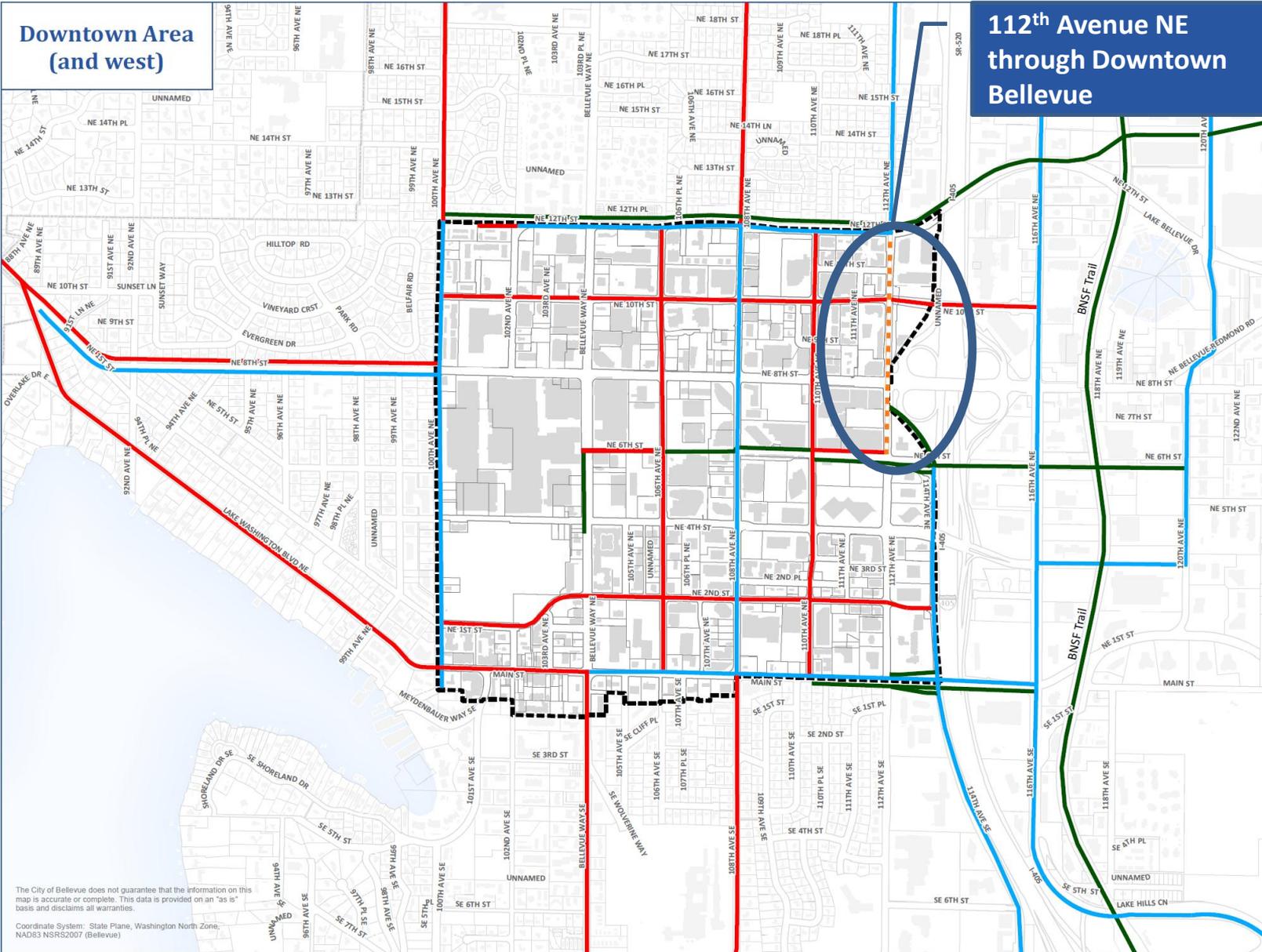
NE 6TH STREET TO NE 12TH STREET

Priority Bicycle Corridors

2009 PEDESTRIAN & BICYCLE TRANSPORTATION PLAN



Proposed Downtown Bicycle Facilities



Preliminary Bicycle Facility Recommendations

Downtown Transportation Plan Update

Legend

Bicycle Facility Recommendations

Bicycle Lane

Shared Roadway

Off-Street Path

Under Consideration



80,000
Feet

Sources:
City of Bellevue
Building Footprints:
Spring 2009

The City of Bellevue does not guarantee that the information on this map is accurate or complete. This data is provided on an "as is" basis and disclaims all warranties.

Coordinate System: State Plane, Washington North Zone, NAD83 NSRS2007. (Bellevue)

Proposed Downtown Bicycle Facilities



City of Bellevue
Transportation
Department

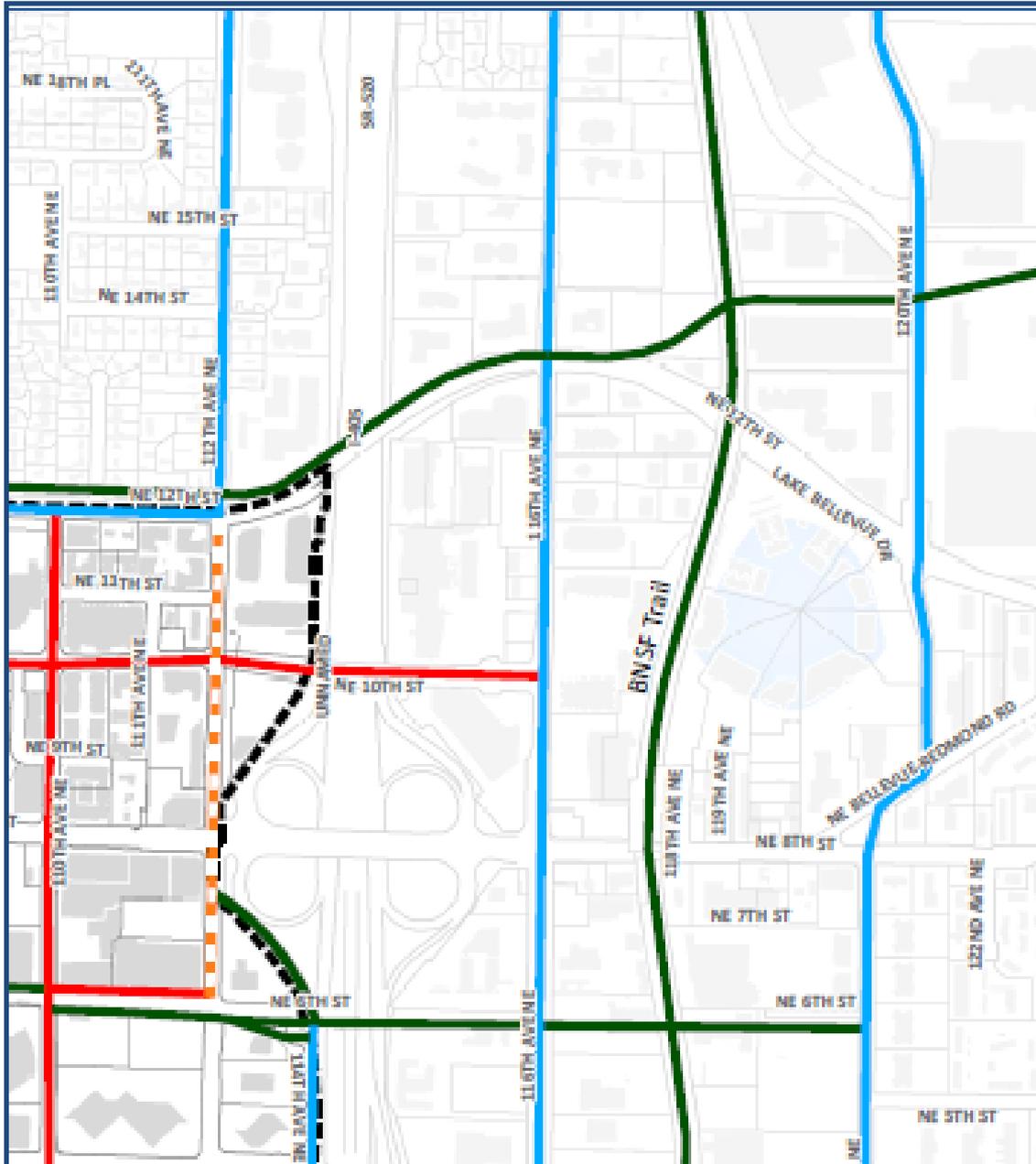
Preliminary Bicycle Facility Recommendations

Downtown Transportation
Plan Update

Legend

Bicycle Facility Recommendations

-  Bicycle Lane
-  Shared Roadway
-  Off-Street Path
-  Under Consideration



112th Avenue NE Corridor

Existing Conditions

- No on-street bicycle facilities
- Lake Washington Loop wayfinding signage
- 2 lanes each direction, center turn lane, no on-street parking
- 11,300 vehicles ADT

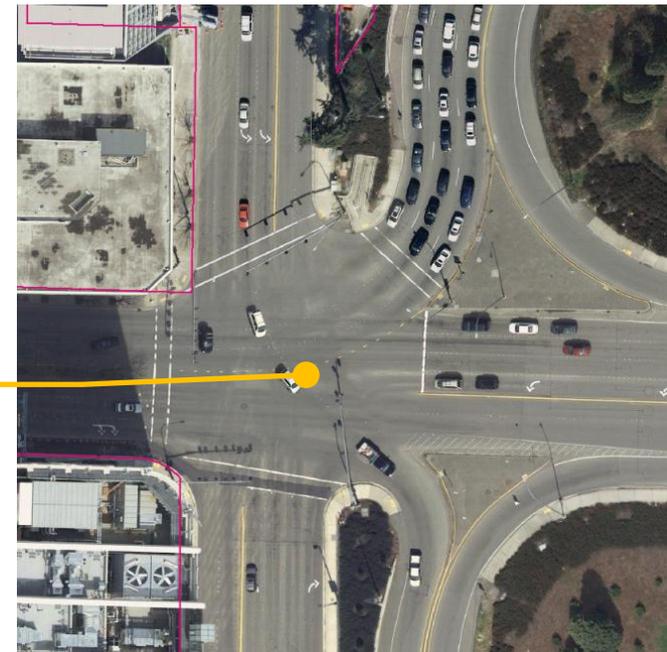
Existing Ped/Bike Plan

- **Lake Washington Loop Priority Bicycle Corridor**
- **B-126-E/W: 5-foot bicycle lanes both sides from NE 6th St to NE 12th St.**
- B-104-E/W : Bicycle lanes north of Downtown to Northup Way

DTP Project Ideas

- Bicycle lanes both sides
- Bicycle lane northbound, shared SB
- Bicycle lanes both sides w/road diet
- Ped/Bike Underpass east side
- Ped/Bike Overpass east side

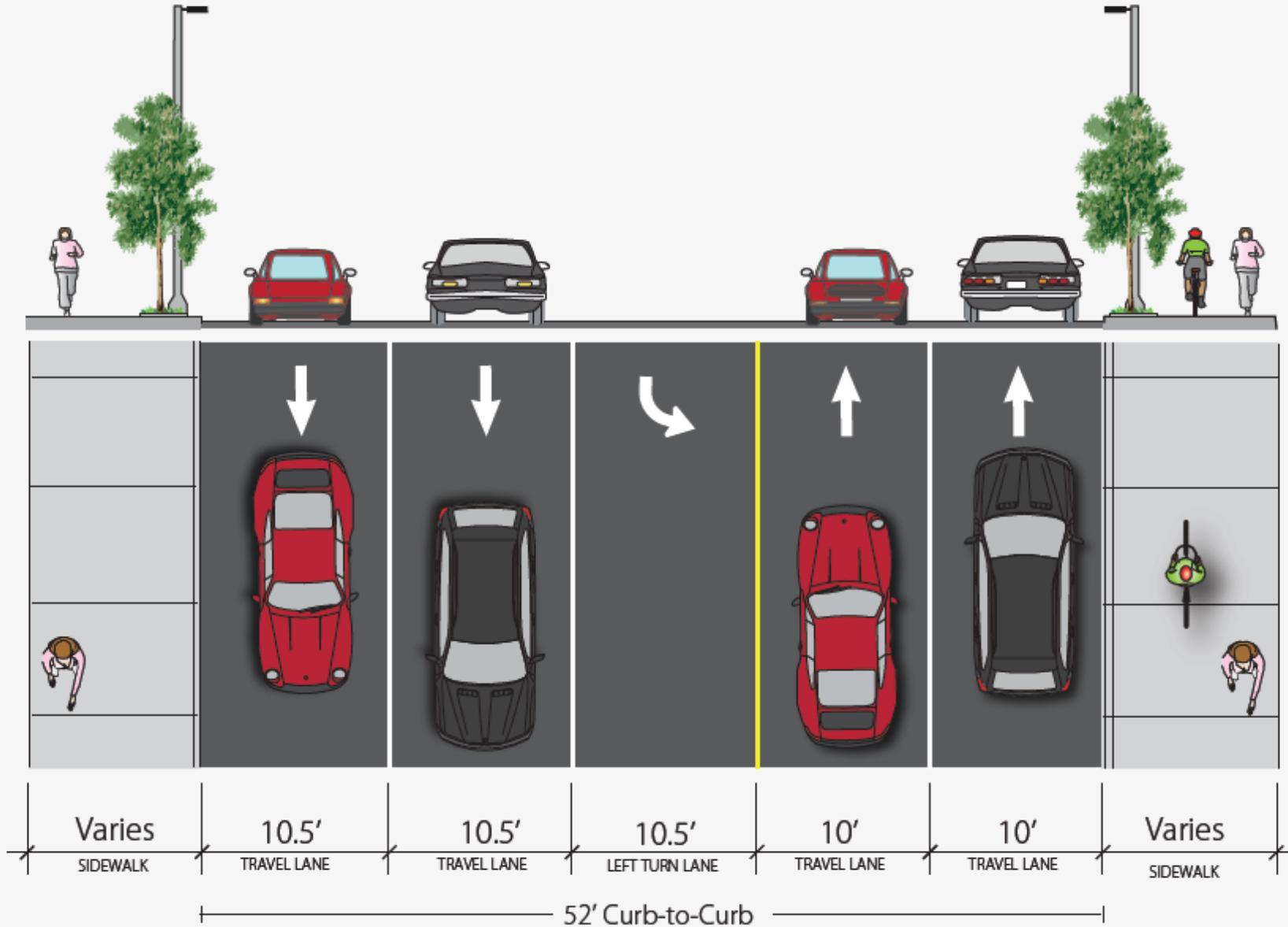
112th Ave NE/NE 8th St
Difficult intersection
for bicyclists and
pedestrians

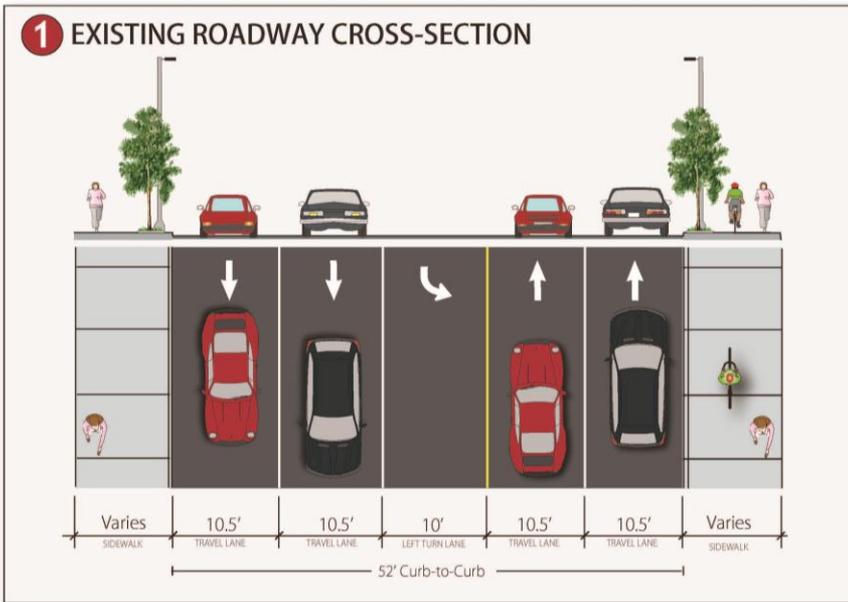


112th Avenue NE Bicycle Facility Options

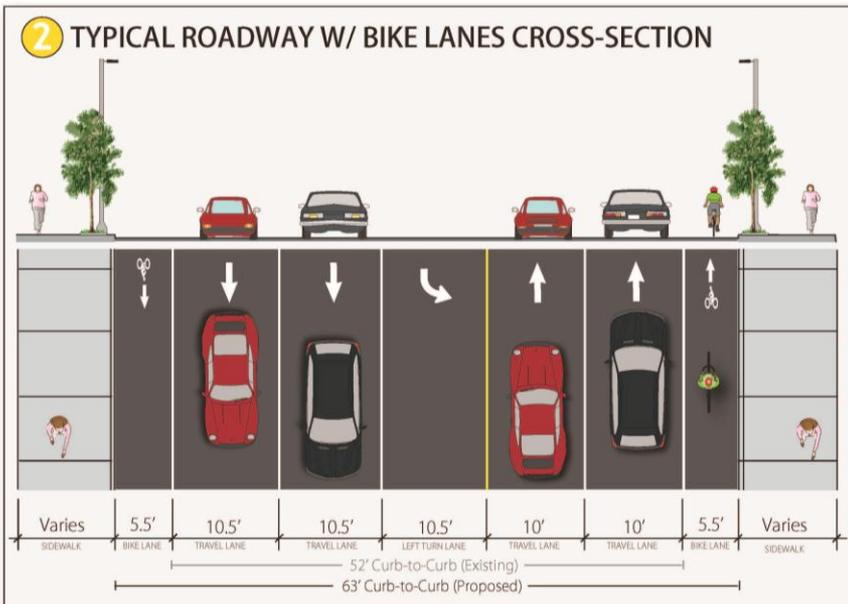
- 1. Pedestrian & Bicycle Transportation Plan – Bicycle Lanes:** Expand roadway to add 5-foot bicycle lanes on each side of 112th Avenue NE
- 2. Northbound Bicycle Lane:** Expand roadway to accommodate one northbound bicycle lane, shared lane southbound
- 3. Road Diet Bicycle Lanes:** Maintain curb, remove one northbound travel lane and restripe for 2 bicycle lanes
- 4. Grade Separated-Underpass:** Provide off street bicycle and pedestrian facilities east of 112th Ave NE, with NE 8th Street underpass
- 5. Grade Separated-Overpass:** Provide off street bicycle and pedestrian facilities east of 112th Ave NE, with NE 8th Street overpass

1 EXISTING ROADWAY CROSS-SECTION

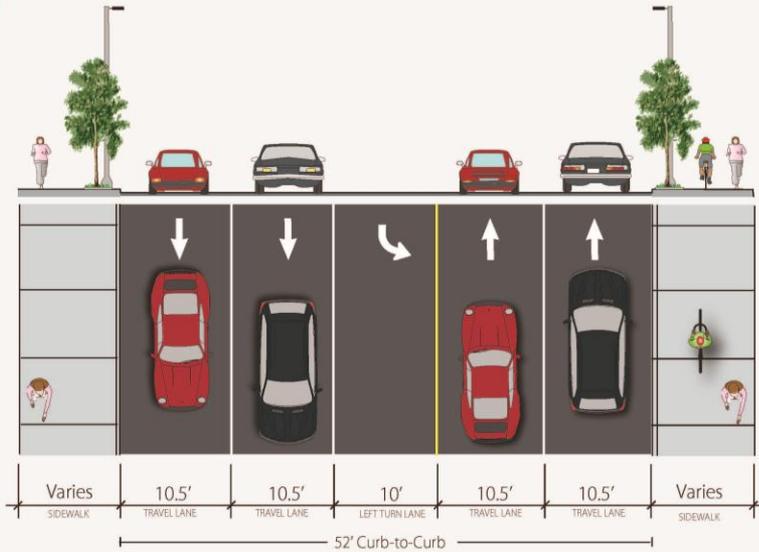




1. Expand roadway to add 5-foot bicycle lanes on each side of 112th Avenue NE

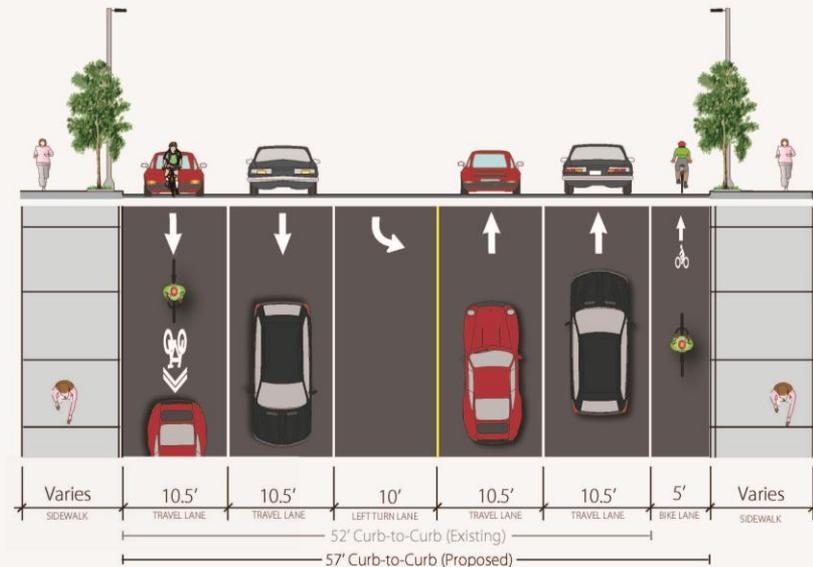


1 EXISTING ROADWAY CROSS-SECTION



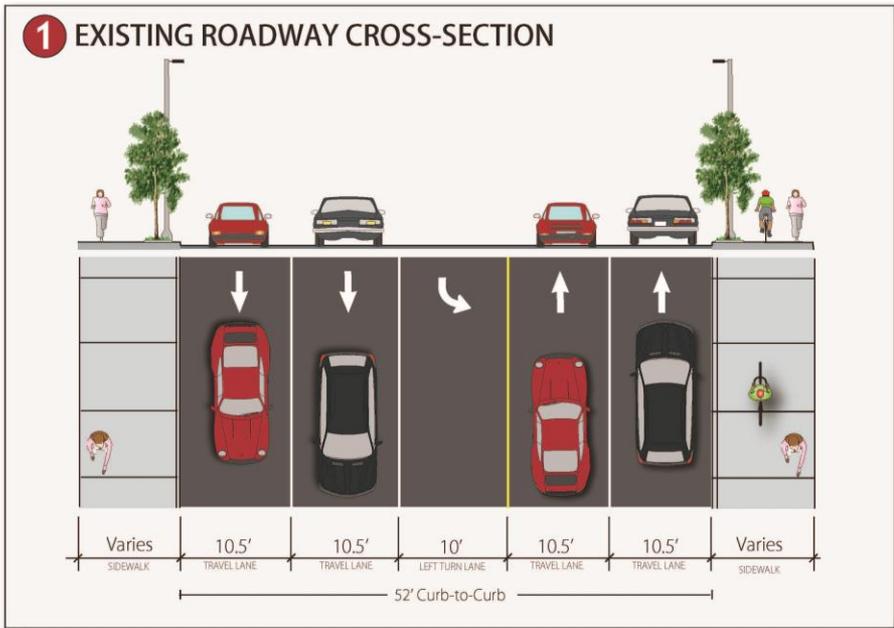
2. Expand roadway to accommodate one northbound bicycle lane, shared lane southbound

2 TYPICAL ROADWAY CROSS-SECTION: NORTHBOUND BIKE LANE & SOUTHBOUND SHARED LANE

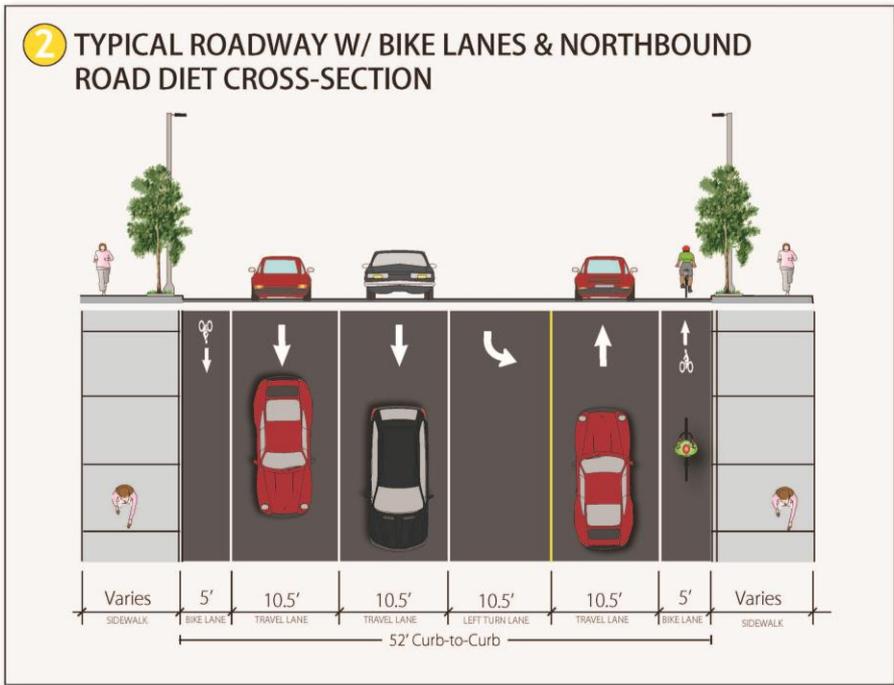


Plan View
NOT TO SCALE



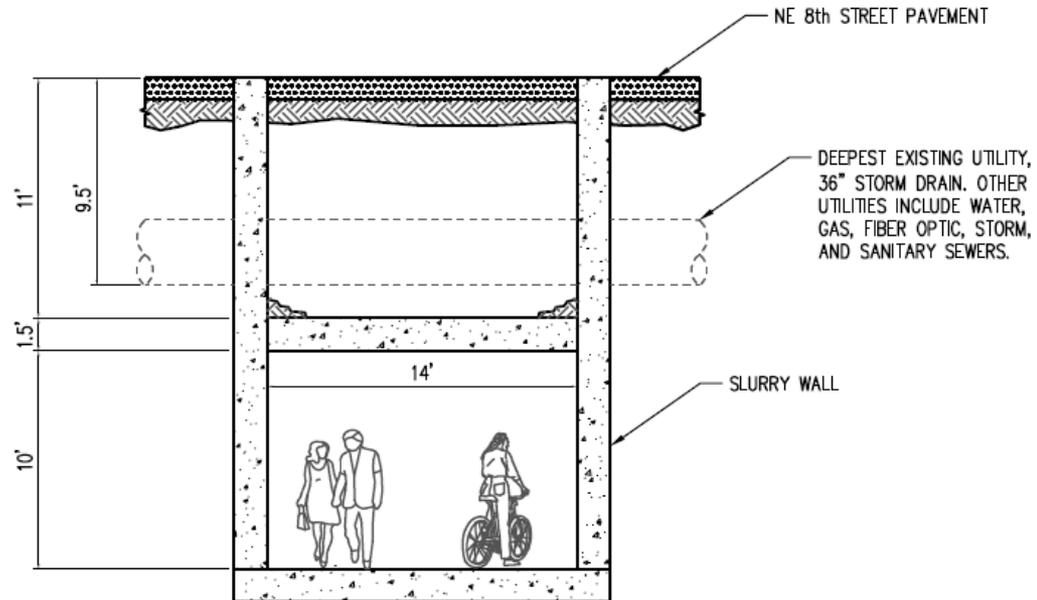
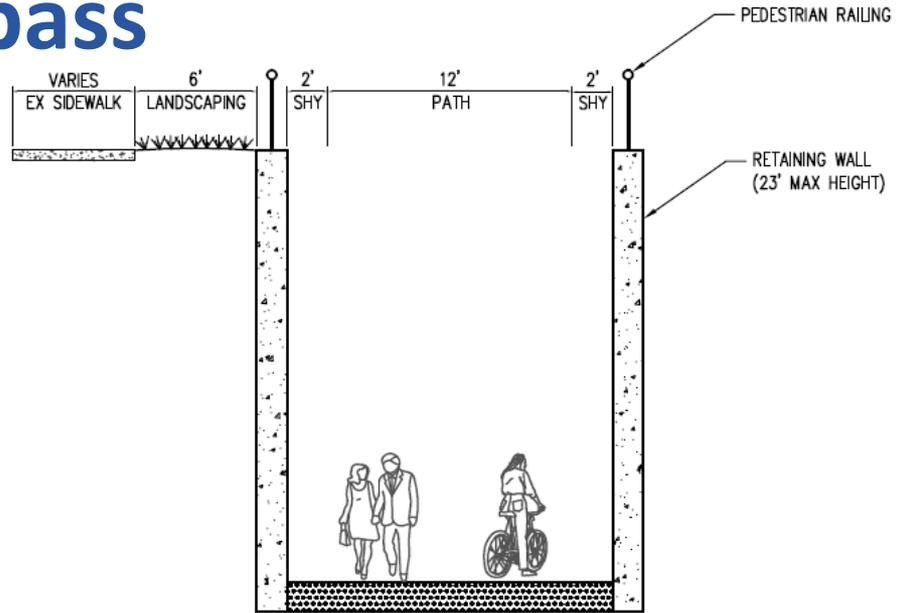
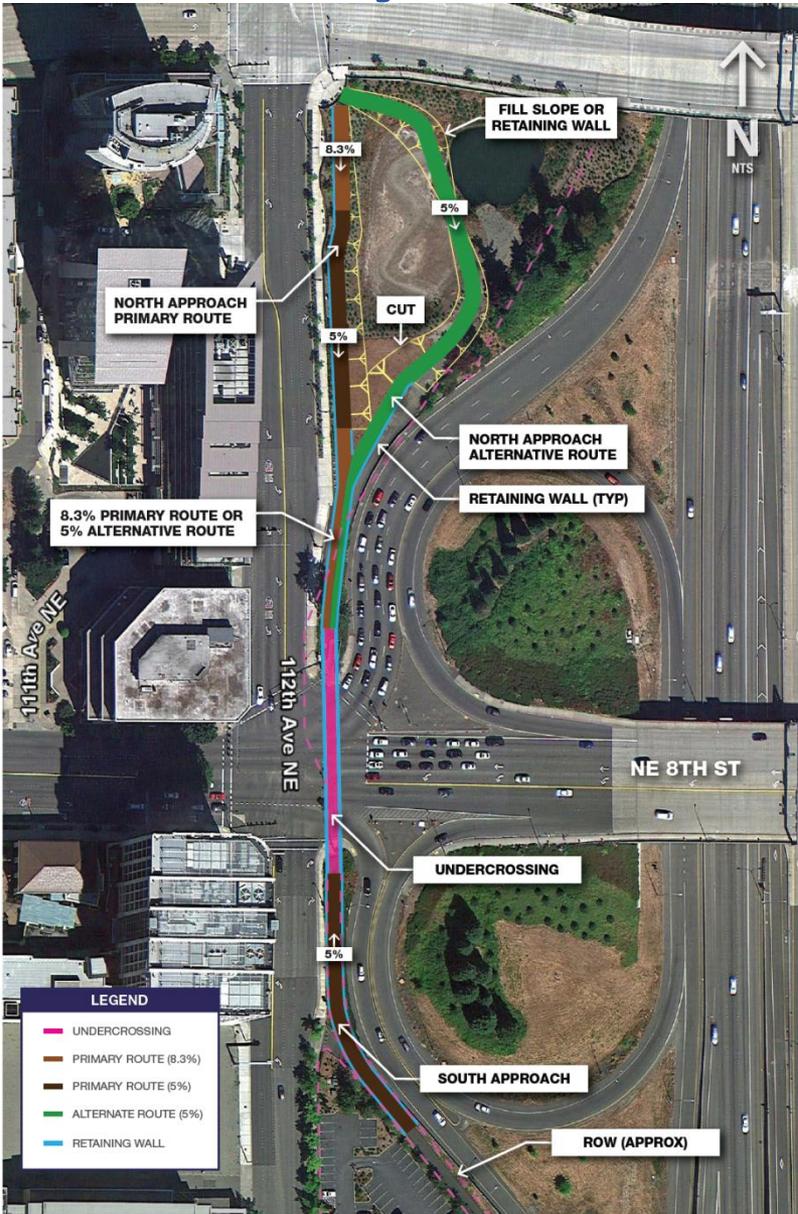


3. Maintain curb, remove one northbound travel lane and restripe for 2 bicycle lanes

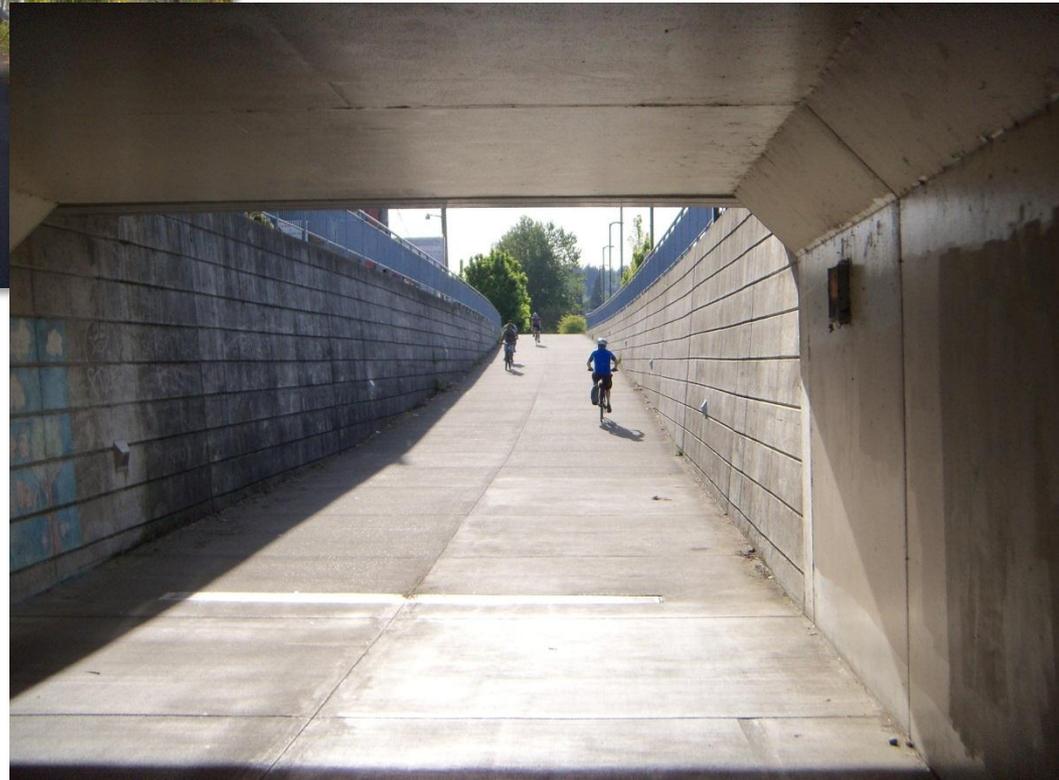


Plan View
NOT TO SCALE

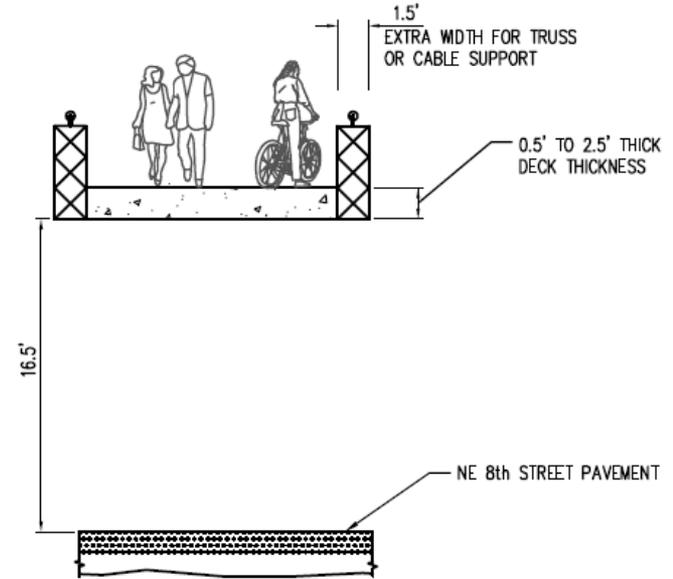
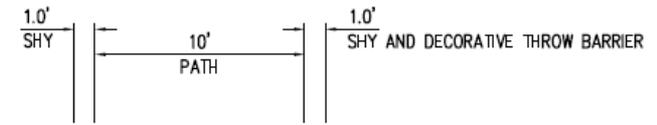
Ped/Bicycle Underpass



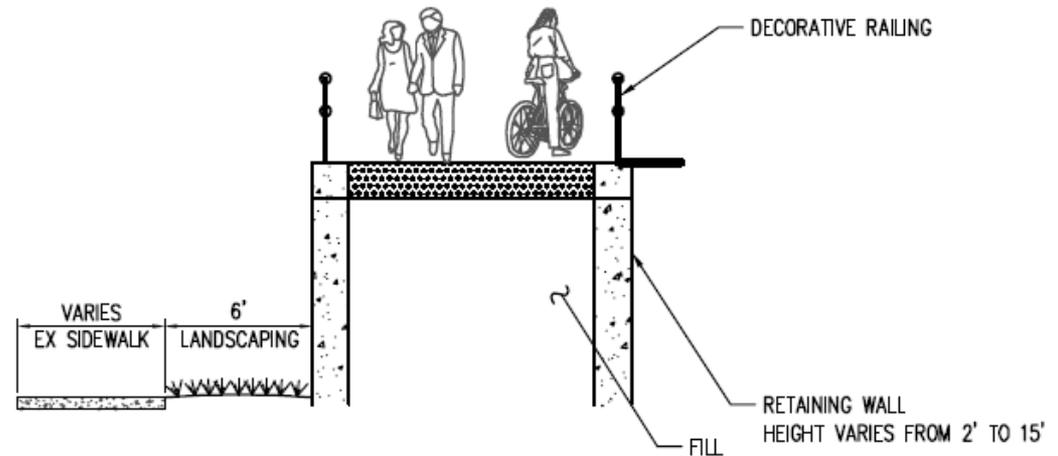
Burke Gilman Trail Underpass



Ped/Bicycle Overpass



TYPICAL OVERCROSSING SECTION



TYPICAL PATH SECTION

Pedestrian/Bicycle Overpass Images



Tempe



San Diego



Tucson



Denver

DOWNTOWN BICYCLE FACILITIES

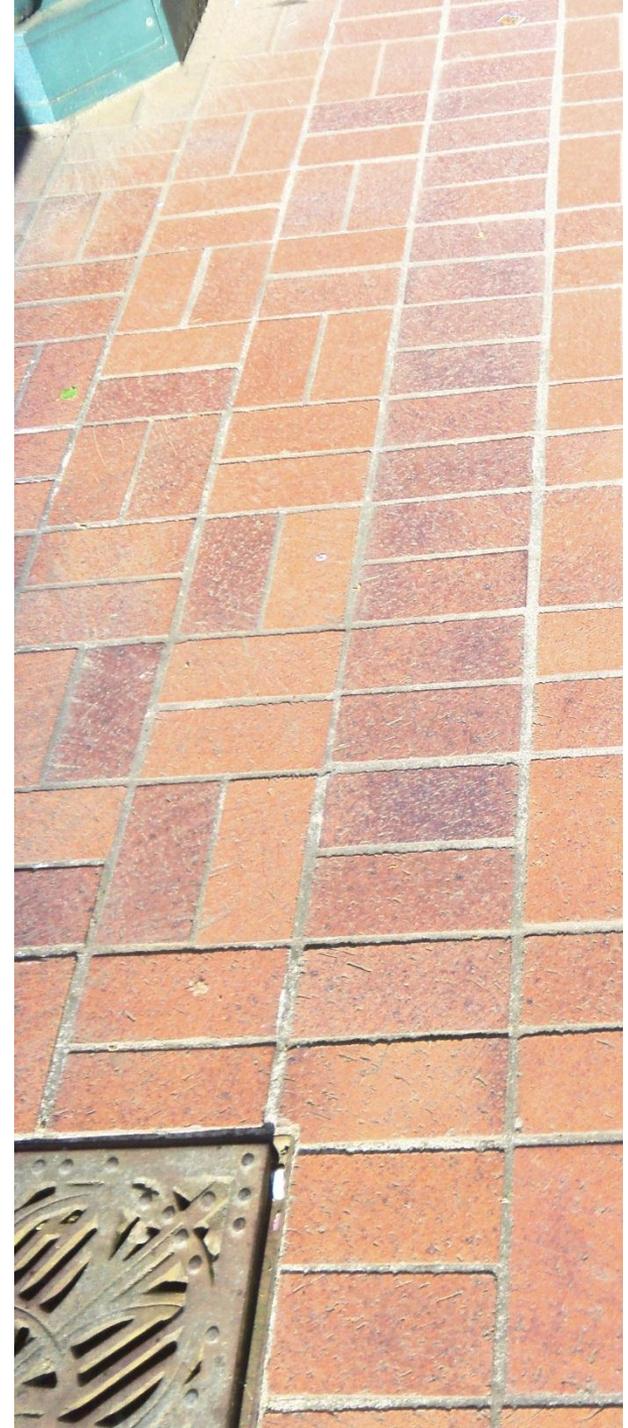
INTEGRATING BICYCLE FACILITIES ALONG 112TH AVENUE NE

OPTIONS TO CARRY FORWARD FOR ADDITIONAL ANALYSIS

- 1. Bicycle lanes both sides, expand roadway to accommodate**
 - 2. Bicycle lane northbound only, shared lane SB**
 - 3. Bicycle lanes both sides with road diet, 1 NB lane removed**
- 4. Ped/Bike Underpass under NE 8th Street east side of 112th Ave NE**
- 5. Ped/Bike Overpass over NE 8th Street east side of 112th Ave NE**

DISCUSSION/DIRECTION

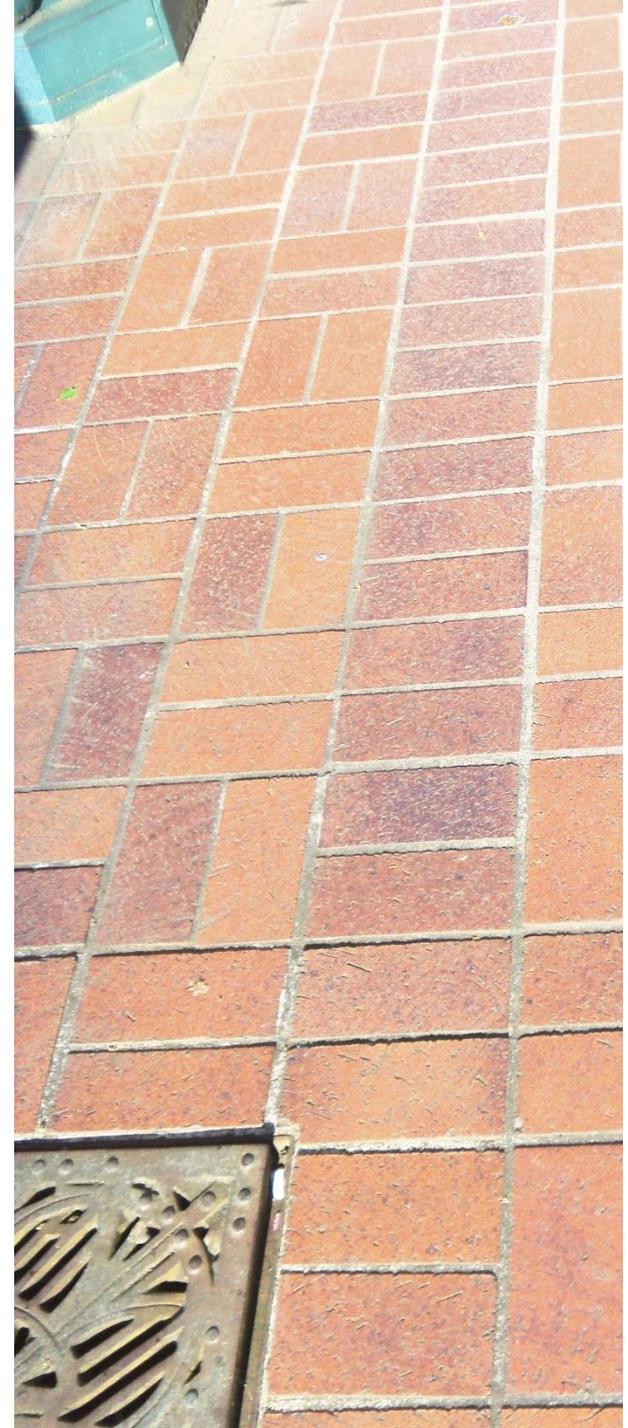
**Integrating Bicycle Facilities to the
NE 6th Street
PEDESTRIAN CORRIDOR**



NE 6th Street Pedestrian Corridor

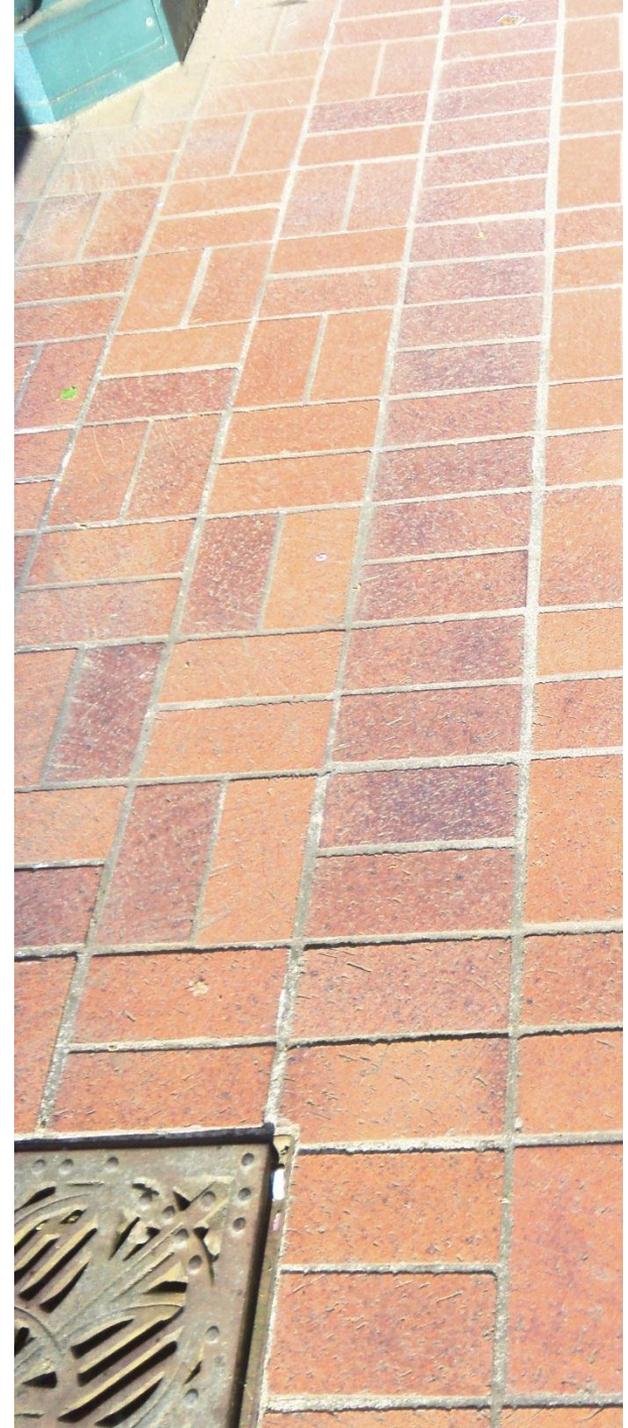
Identify design concepts for the NE 6th Street “Pedestrian Corridor” to integrate bicycles safely into the corridor, and better accommodate other wheeled users

- Recommendations will be referred to the Downtown Livability Initiative

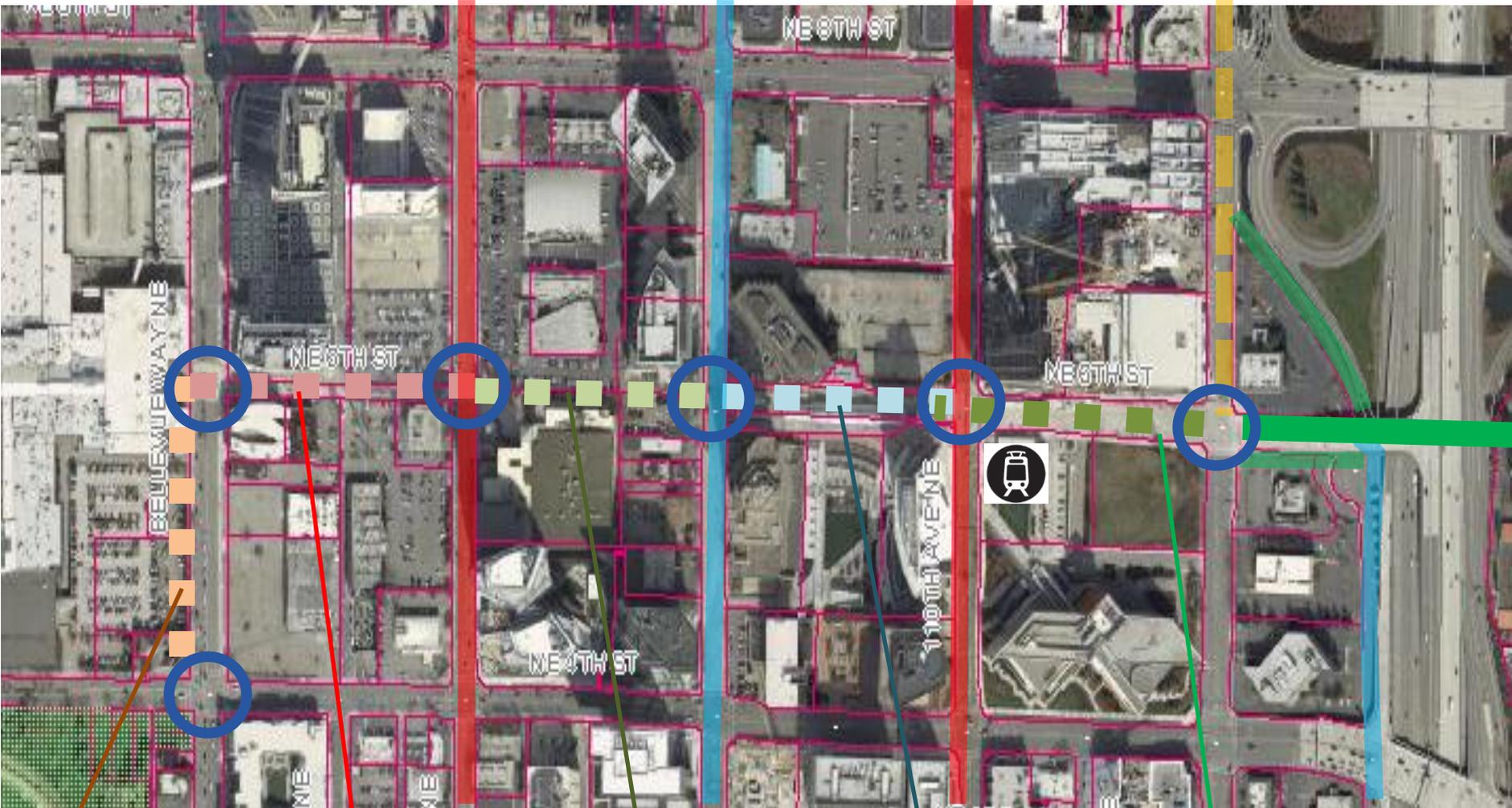


Why integrate bicycles onto the Pedestrian Corridor

- Downtown Implementation Plan
- Pedestrian & Bicycle Transportation Plan
- Land Use – many origins & destinations
- Transit Center
- Light Rail Station (2023)
- Lake Washington Loop connection
- Parallel streets are busy – need a good east-west corridor
- Economic development opportunity
- Improve accessibility for all
- Bicycles are Already There!



Pedestrian Corridor/Downtown Park Connect



**Downtown
Park
Connection**

**NE 6th St
"Street as
Plaza"**

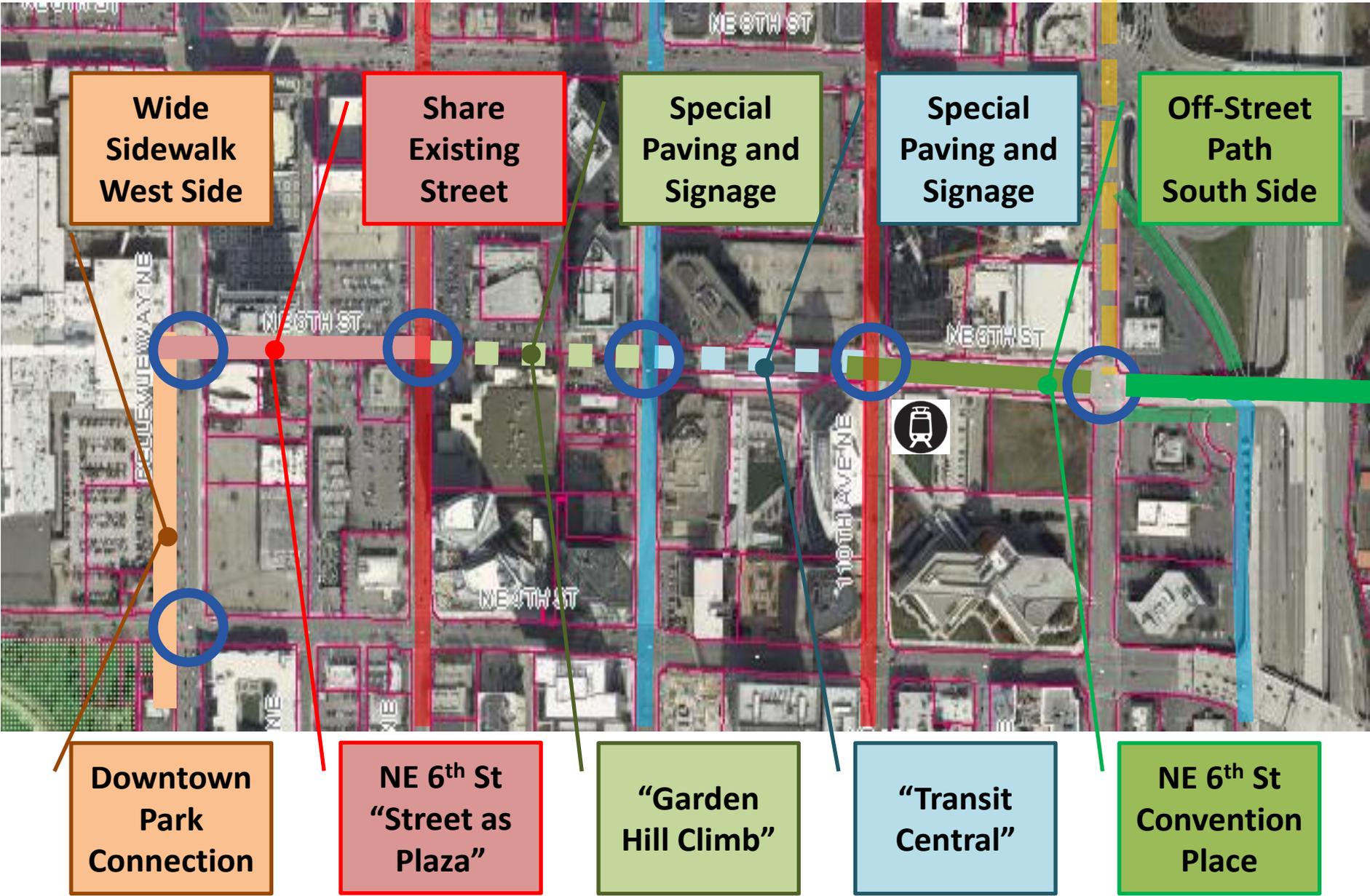
**"Garden
Hill Climb"**

**"Transit
Central"**

**NE 6th St
Convention
Place**

Pedestrian Corridor/Bellevue Way Connector

Recommendations



NE 6th Street/Pedestrian Corridor

Bicycle/Ped Integration Examples

Council on July 9 directed staff to use “best practices” to guide recommendations for pedestrian and bicycle features.

Pedestrian and bicycle integration...nothing comparable to Ped. Corridor that we could find. Some examples of similar situations...



...we may need to create a best practice!

Compass Plaza Pavers and Signage

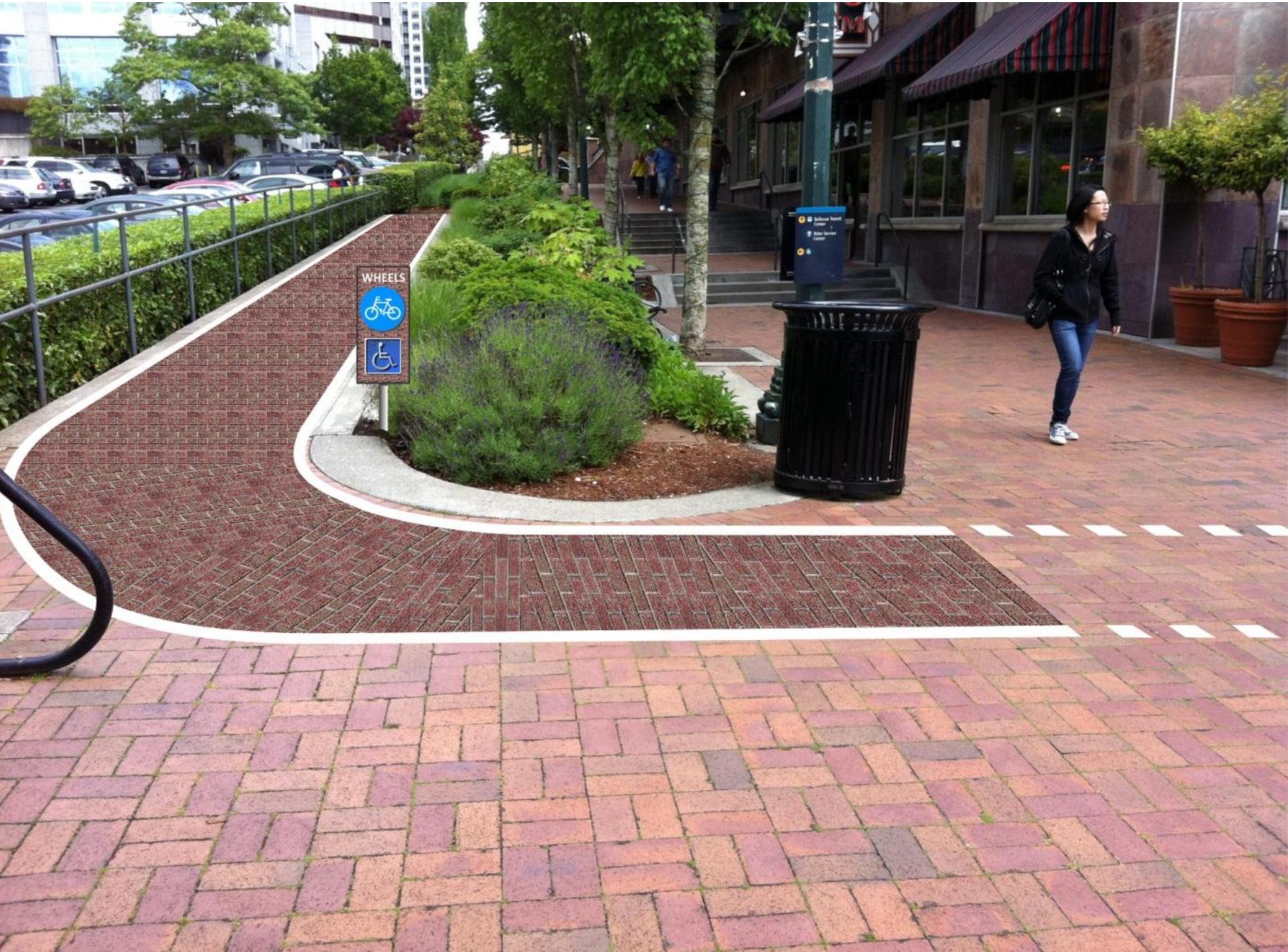




WHEELS







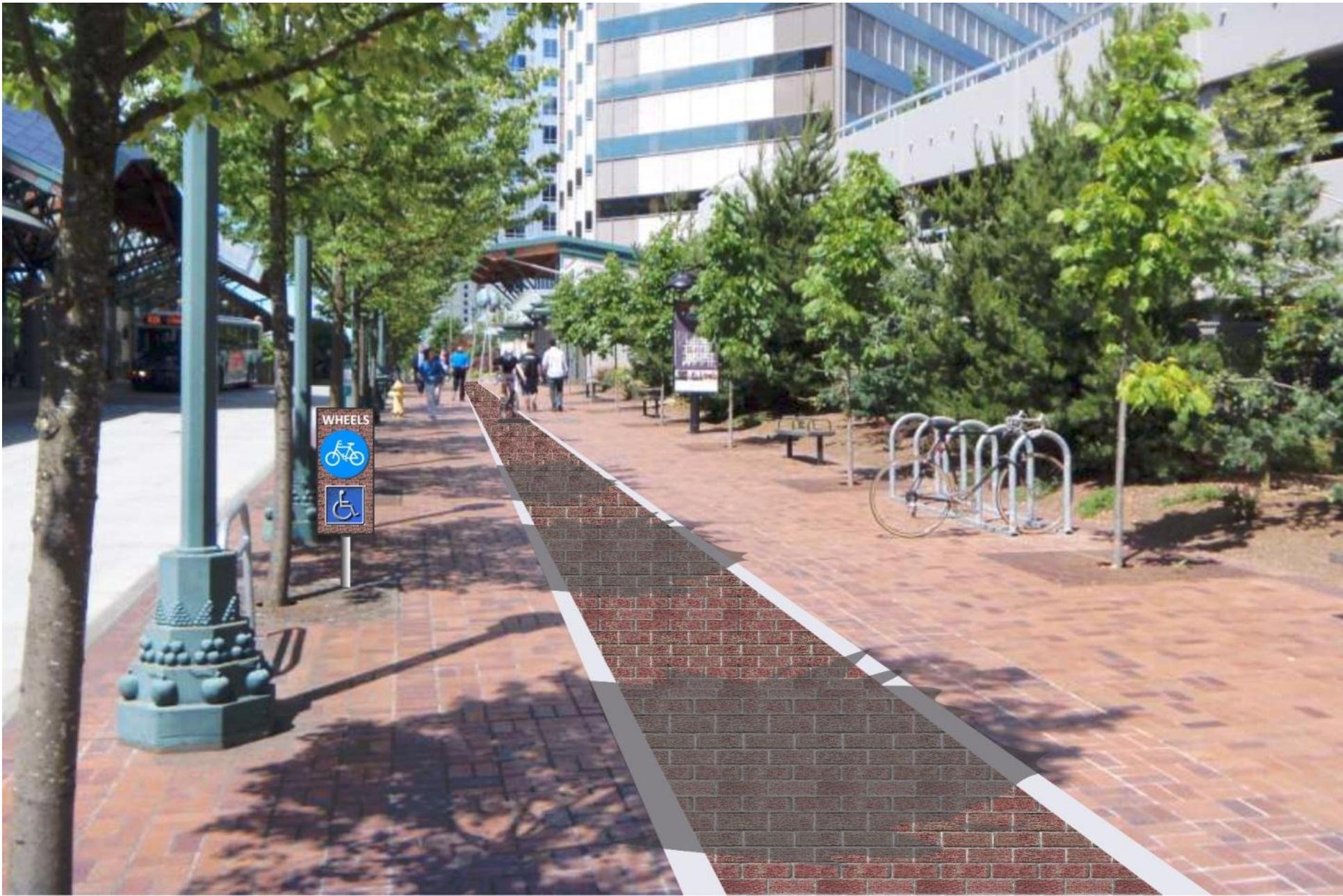
WHEELS



Subway Station
Cafe
Public Storage



Transit Central Pavers and Signage



“Cattle Chute” Ramp – Mobility Issue for All



“Cattle Chute” Ramp Interim Improvements *Looking west*



BEFORE

Improve ramp grade

Widen ramp at pinch point

Remove railing north side

Extend and integrate plaza



AFTER

BEFORE

**“Cattle Chute”
Ramp
Interim
Improvements
*Looking east***

AFTER

Extend and integrate plaza

Remove railing north side

Widen ramp at pinch point

Improve ramp grade



DOWNTOWN PEDESTRIAN FACILITIES

INTEGRATING BICYCLE FACILITIES ALONG THE NE 6th STREET PEDESTRIAN CORRIDOR

**DESIGN RECOMMENDATIONS TO THE
DOWNTOWN LIVABILITY INITIATIVE FOR REFINEMENT**

DISCUSSION/DIRECTION

Status

• Pedestrians

- Sidewalks – Land Use Code Amendments
- Crosswalks – Standard, Enhanced, Exceptional
- Mid-block Crossings – Early Implementation crossings
- Through-block Connections – Refer design concepts to Downtown Livability

• Bicyclists

- On-street and off-street facilities within Downtown and to/from neighborhoods and regional destinations
- Options for 112th Avenue NE – Early Implementation corridor study
- Design concept for Pedestrian Corridor – Refer design concept to Downtown Livability

• Drivers

- 2030 Baseline Projects (modified from original – will review in December)
- 2030 “Build” Scenario Projects (modified from original – will review in December)
- Need to check LOS at certain roadway links and intersections
- Review current project list in Downtown Subarea Plan – retain, replace, modify

• Transit Riders

- TBD



Downtown Transportation Plan Update

Next Meeting – December 13

- **Updated Modeling**
- **Downtown Transit**



Downtown Transportation Plan Update

Thank you!

www.bellevuewa.gov/DowntownTransportationPlanUpdate