

BIKE BELLEVUE UPDATE

Transportation Commission

July 11, 2024

Kevin McDonald, AICP

Principal Transportation Planner

Discussion Outline

- Bike Bellevue Corridors Map
- Bike Bellevue Funding
- Council Direction from March 25
- Transportation Commission Recommendations for Bike Bellevue Corridors from April 11, May 23, and June 13
- July 11: Categorize Corridors
 - Corridor 1: Northup Way
 - Corridor 11: 140th Avenue NE
 - Corridors 3, 4, and 5: Bel-Red Road
- Next Steps

Bike Bellevue Funding

\$4.5 million in the 2023-29 CIP.

- Design and implement rapid-build bicycle projects on existing streets in the Downtown, Wilburton, and BelRed neighborhoods.
- “Early implementation” corridors cost estimate
 - \$3,530,000 (*final design and construction may end up being different than this preliminary cost estimate*)

| Bike Bellevue Corridors | | | |
|-------------------------|-------------------------------|---------------------|---|
| | | | |
| | Corridor | Cost Est | Segment |
| 1 | Northup Way | \$ 3,900,000 | 120th to 140th Avenue NE |
| 2 | NE 12th Street | \$ 990,000 | 102nd to 108th Avenue NE |
| 3 | NE 12th Street / Bel-Red Road | \$ 3,380,000 | NE Spring Boulevard to 132nd Avenue NE |
| 4 | Bel-Red Road | \$ 2,810,000 | 132nd to 148th Avenue NE |
| 5 | Bel-Red Road | \$ 1,610,000 | 148th to 156th Avenue NE |
| 6 | NE 1st and NE 2nd Streets | \$ 1,250,000 | 100th to 112th Avenue NE |
| 7 | Lake Washington Boulevard | \$ 210,000 | 99th to 110th Avenue NE |
| 8 | 100th Avenue NE | \$ 610,000 | Main Street to NE 10th Street |
| 9 | Wilburton Route | \$ 1,870,000 | 116th Avenue NE / NE 4th Street / 120th Avenue NE |
| 10 | 116th Avenue NE | \$ 200,000 | NE 12th to NE 14th Streets |
| 11 | 140th Avenue NE | \$ 760,000 | Bel-Red Road to NE 24th Street |
| | | \$18,590,000 | |

Council Direction to Transportation Commission

Develop a recommendation for each proposed corridor consistent with the following categories:

- 1) Corridors that would not require travel lane repurposing that the City would program and implement as soon as possible.*
- 2) Corridors that have an emphasis on creating connected routes for Bike Bellevue.*
- 3) If a travel lane is recommended to be repurposed, it will be first evaluated as a trial or demonstration project that will be evaluated using data that will be provided by the Transportation Commission and recommend to repurpose a travel lane only as a last resort.*
- 4) Prioritize high injury network area corridors.*
- 5) Corridors that would be deferred to and incorporated into the next update of the Transportation Facilities Plan (2024/25) for citywide consideration, prioritization, and resource allocation.*
- 6) Corridors that would no longer be considered and provide a rationale as to why.*
- 7) Corridors that would be implemented as permanent bicycle infrastructure rather than with a rapid-implementation design.*

Transportation Commission Recommendation : April 11

Category 1. Corridors that would not require travel lane repurposing that the City would program and implement as soon as possible.



Wilburton Route



Lake Washington Boulevard



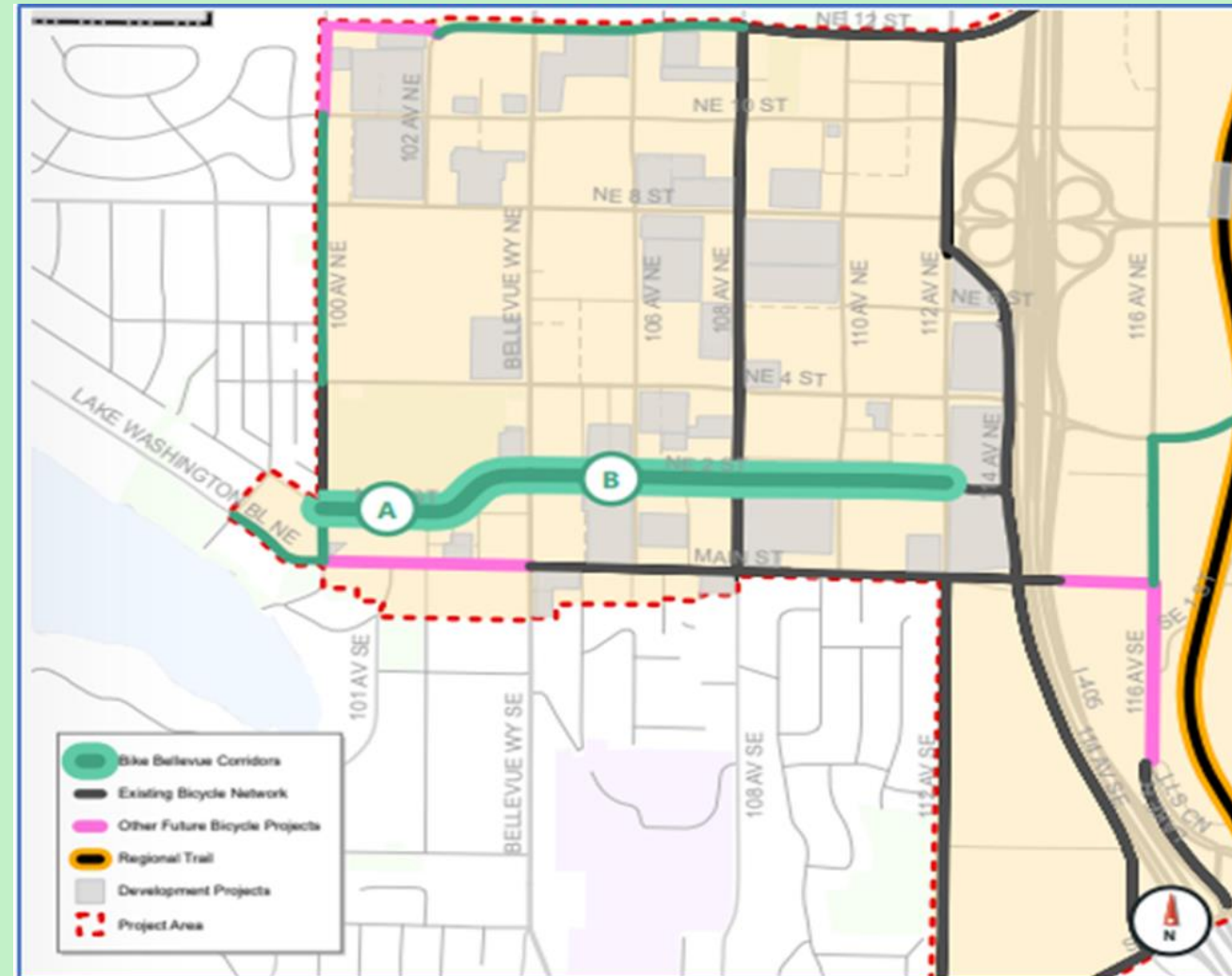
NE 2nd Street Bvue Way - 112th Ave

Transportation Commission Recommendation : May 23

Category 6.

Corridors that would no longer be considered (as designed in Bike Bellevue) and provide a rationale as to why.

Corridor 6A. Shared lane markings, traffic calming, wayfinding, reduce speed limit to 20 mph, evaluation.



NE 2nd Street Corridor 6: 100th Avenue NE - 112th Avenue NE

Transportation Commission Recommendation : June 13

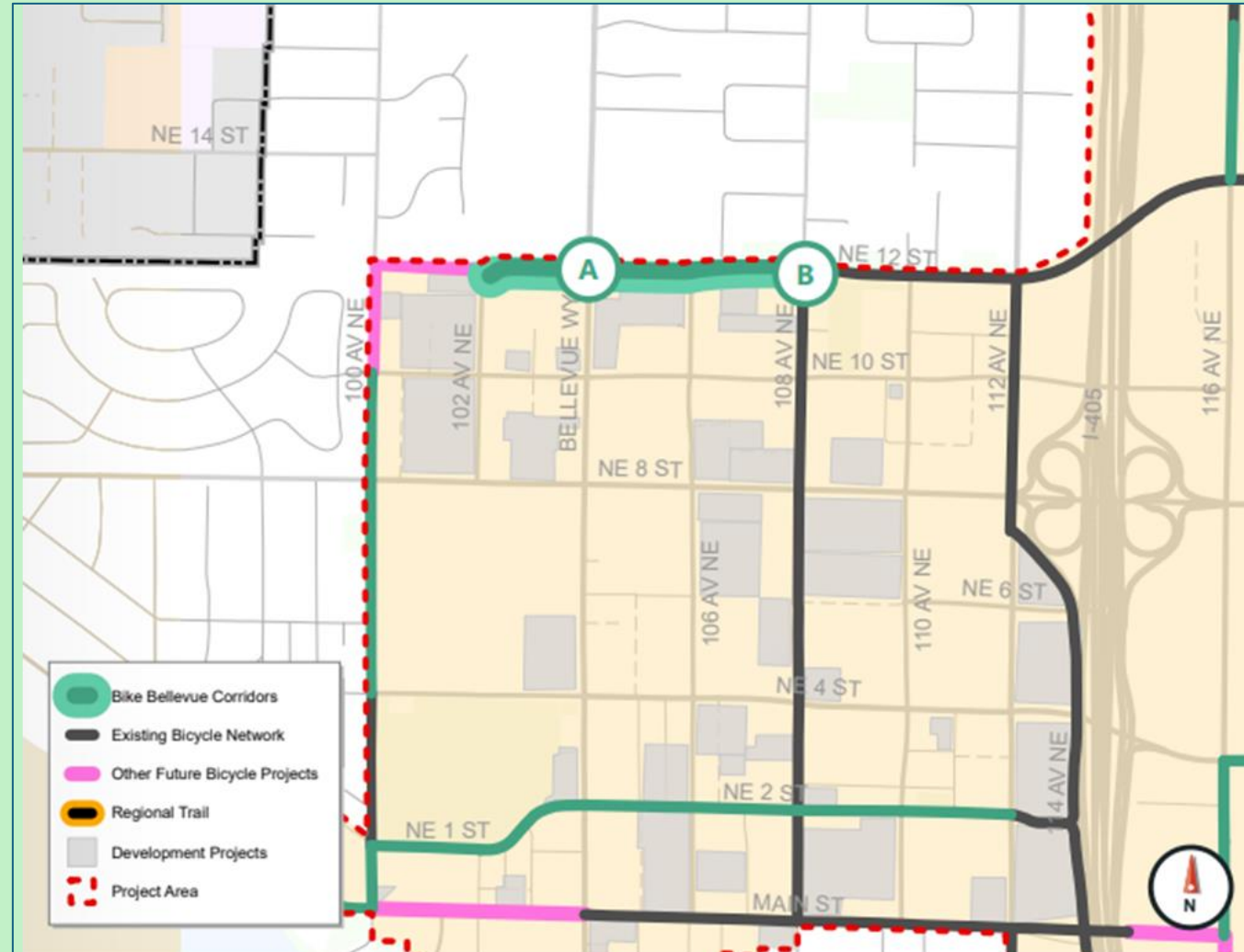
Category 7.

Corridors that would be implemented as permanent bicycle infrastructure rather than with a rapid-implementation design.

Multipurpose path back of curb on the north side of NE 12th Street

100th Ave NE – 108th Avenue NE

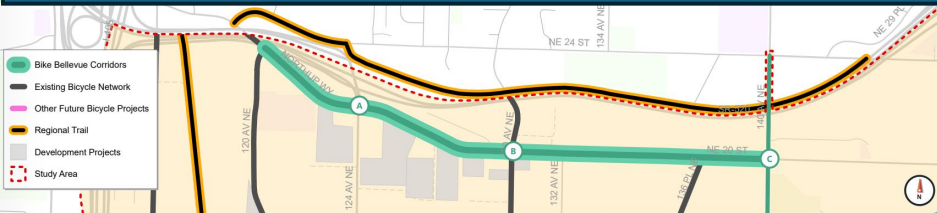
Coordinate design and construction with private redevelopment west of 102nd Avenue NE



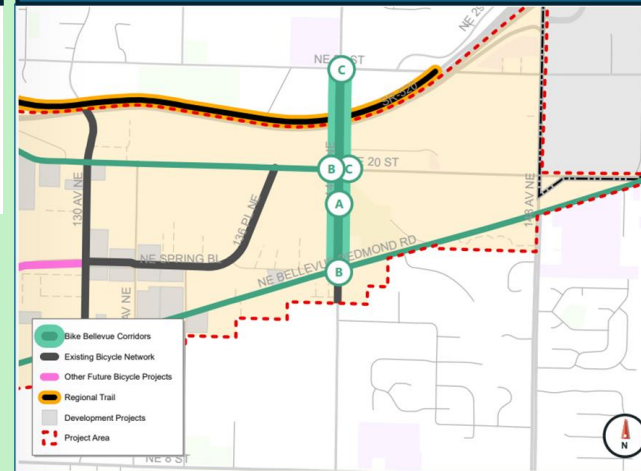
Corridor 2: NE 12th Street

Corridor Recommendations for July 11

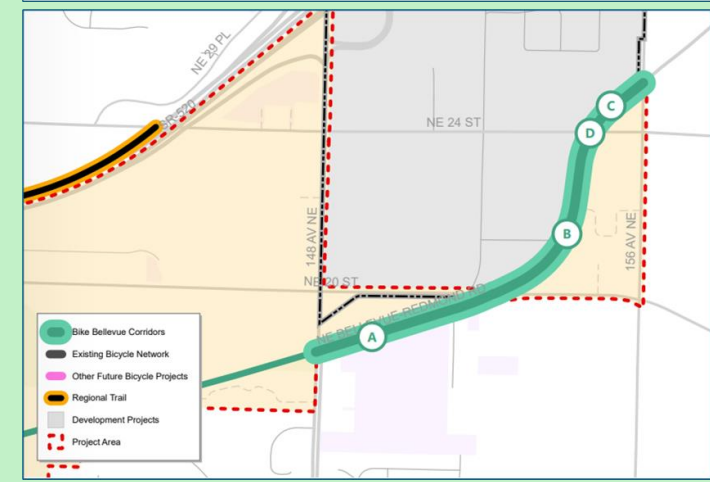
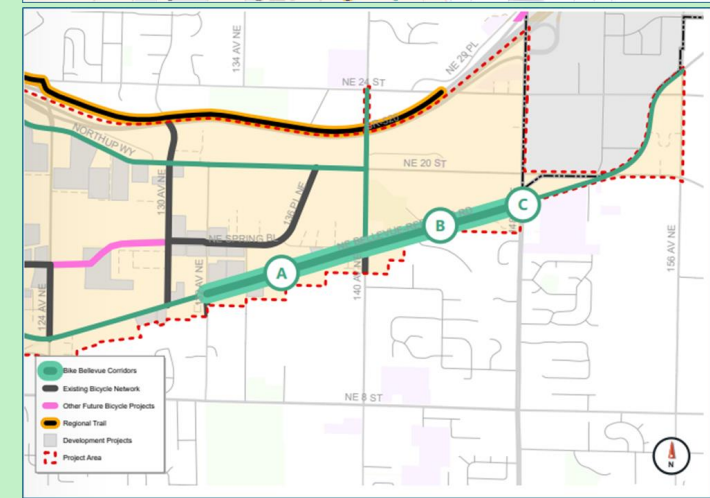
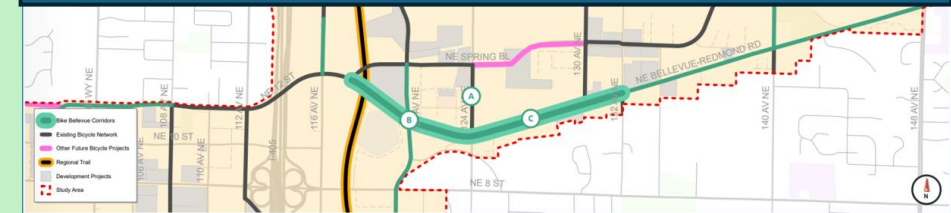
Northrup Way : Corridor 1



140th Ave NE : Corridor 11



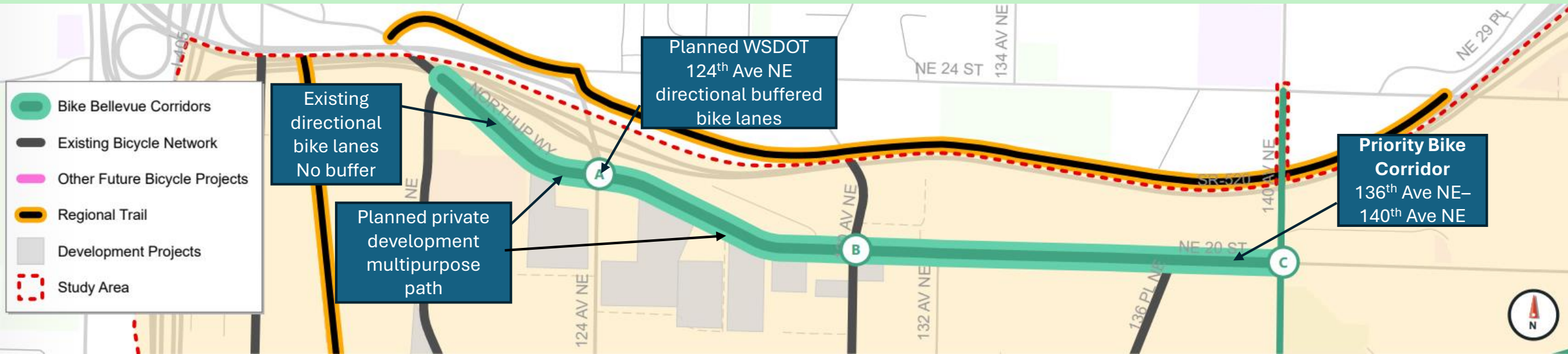
Bel-Red Road : Corridors 3, 4, 5



Information/Recommendation for Each Corridor

- Bike Bellevue Concept Design
- Ped-Bike Plan Project Description
- MIP LTS Target
- MIP Scoring for TFP
- Options
- Staff Recommendation
- Commission Recommendation

Corridor 1: Northup Way



Bike Bellevue:

Reallocate one westbound lane to provide one-way separated buffered bike lanes on both sides.

Ped-Bike Plan:

B-111-N/S: 5-ft bike lane on both sides of Northup Way/NE 20th St from 124th Ave NE to 140th Ave NE.

B-110-N/S: 5-ft bike lane on both sides of Northup Way from 120th Avenue NE to 124th Avenue NE. **Done.**

MIP LTS Target: LTS 3 w/o 136th Ave NE, LTS 1 136th – 140th

MIP Scoring for TFP: 14-18 points out of 20 points

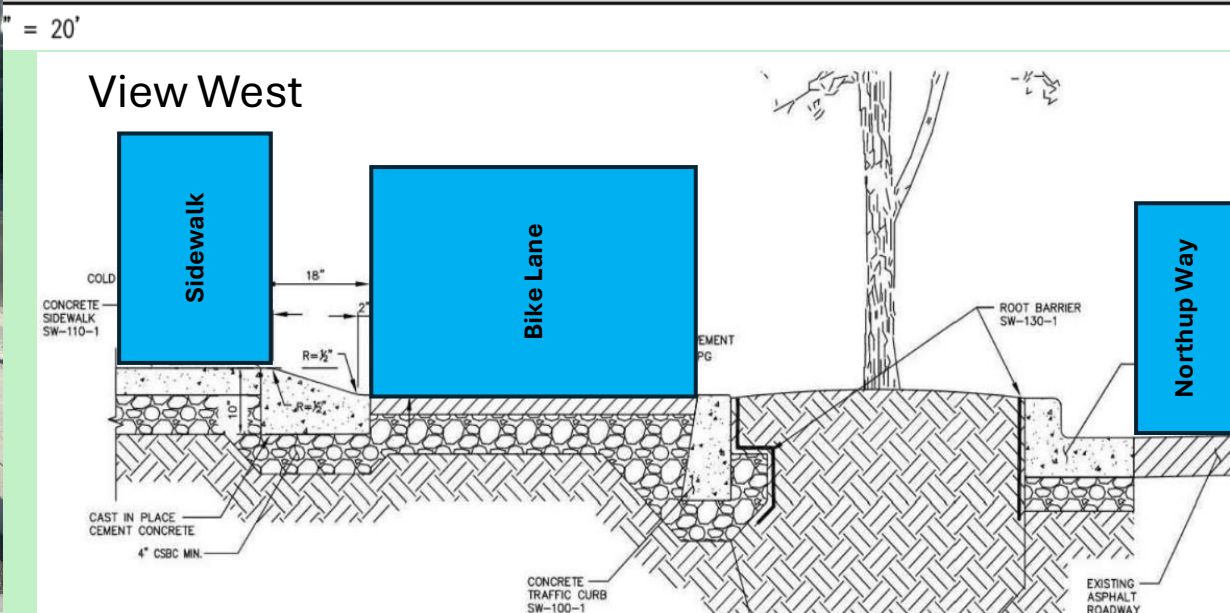
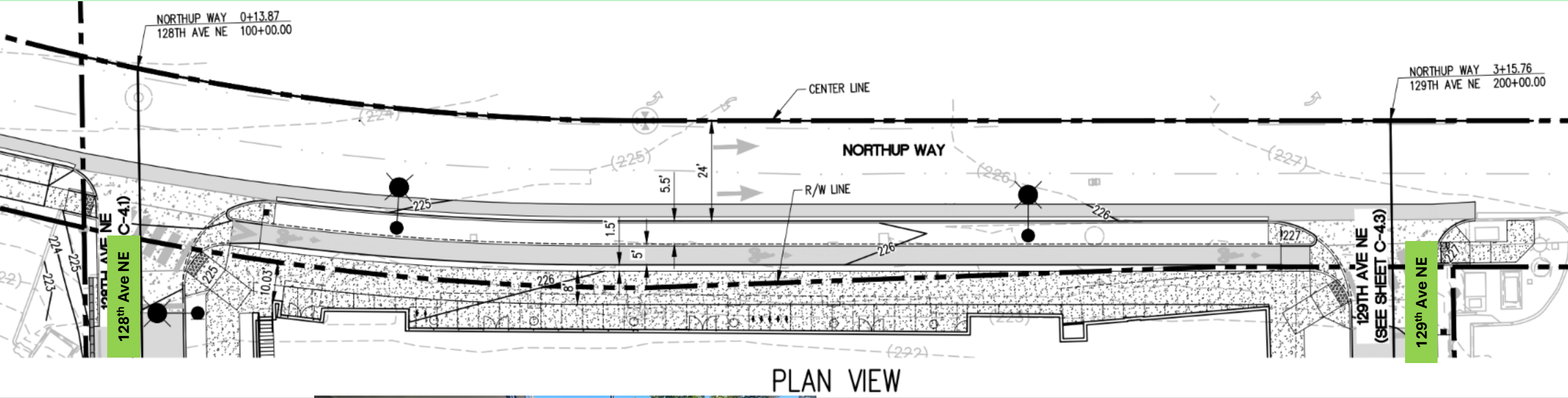
Planned Implementation:

- Frontage improvements w/redevelopment
- WSDOT 124th Ave NE Interchange (directional bike lanes)

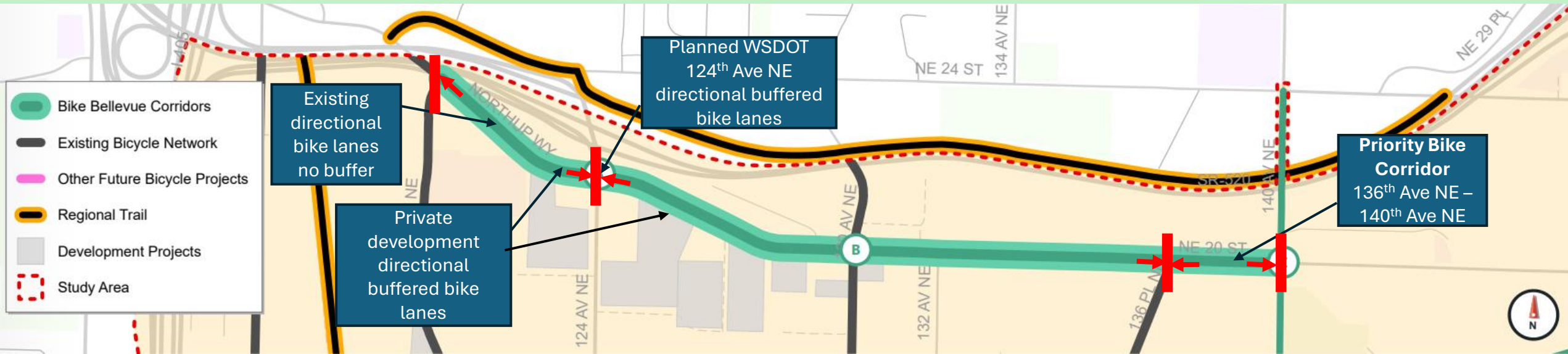
Options:

1. Implement Bike Bellevue
2. Implement Ped-Bike Plan Project B-111 with buffered bike lanes
3. Refer to the TFP

Northup Way: Typical Frontage Improvements



Corridor 1: Northup Way



Staff Recommendation: Three segments with different categories

- **Category 1:** 120th Ave NE - 124th Ave NE: Narrow travel lanes as feasible to provide a buffer for existing directional bike lanes.
- **Category 7:** 124th Ave NE – 136th Ave NE: Implement Ped-Bike Plan project B-111 with buffered bike lanes with redevelopment plus WSDOT interchange project, and fill lingering gaps with city CIP program funding (may require acquiring right-of-way).
- **Category 5:** 136th Ave NE – 140th Ave NE: Refer to the TFP for design and implementation as LTS 1 facility

Commission Recommendation:

Corridor 3: Bel-Red Road



Bike Bellevue:

B. Convert 1 of 2 westbound lanes to one-way buffered bike lanes between NE Spring Boulevard and 124th Ave NE.

C. Maintain 2 westbound lanes and convert 1 of 2 eastbound lanes east of 124th Ave NE to accommodate one-way separated buffered bike lanes on each side of the street.

Ped-Bike Plan: None

MIP LTS Target: LTS 3

MIP Scoring for TFP: 15-16 points out of 20 points

Options:

1. Implement Bike Bellevue
2. Refer to TFP: Conduct a Bel-Red Road Corridor study for options to achieve LTS 3.

Corridor 4: Bel-Red Road

Bike Bellevue:

- A.** Convert 1 of 2 eastbound lanes to one-way buffered bike lanes, retain 2 lanes westbound between 134th Ave NE and 143rd Ave NE
- B.** Between 143rd Ave NE and 148th Ave NE, 1 of 2 westbound lanes would be modified to provide a two-way left turn lane.
- C.** Convert 1 of 2 westbound lanes and retain 2 lanes eastbound at 148th Ave NE.

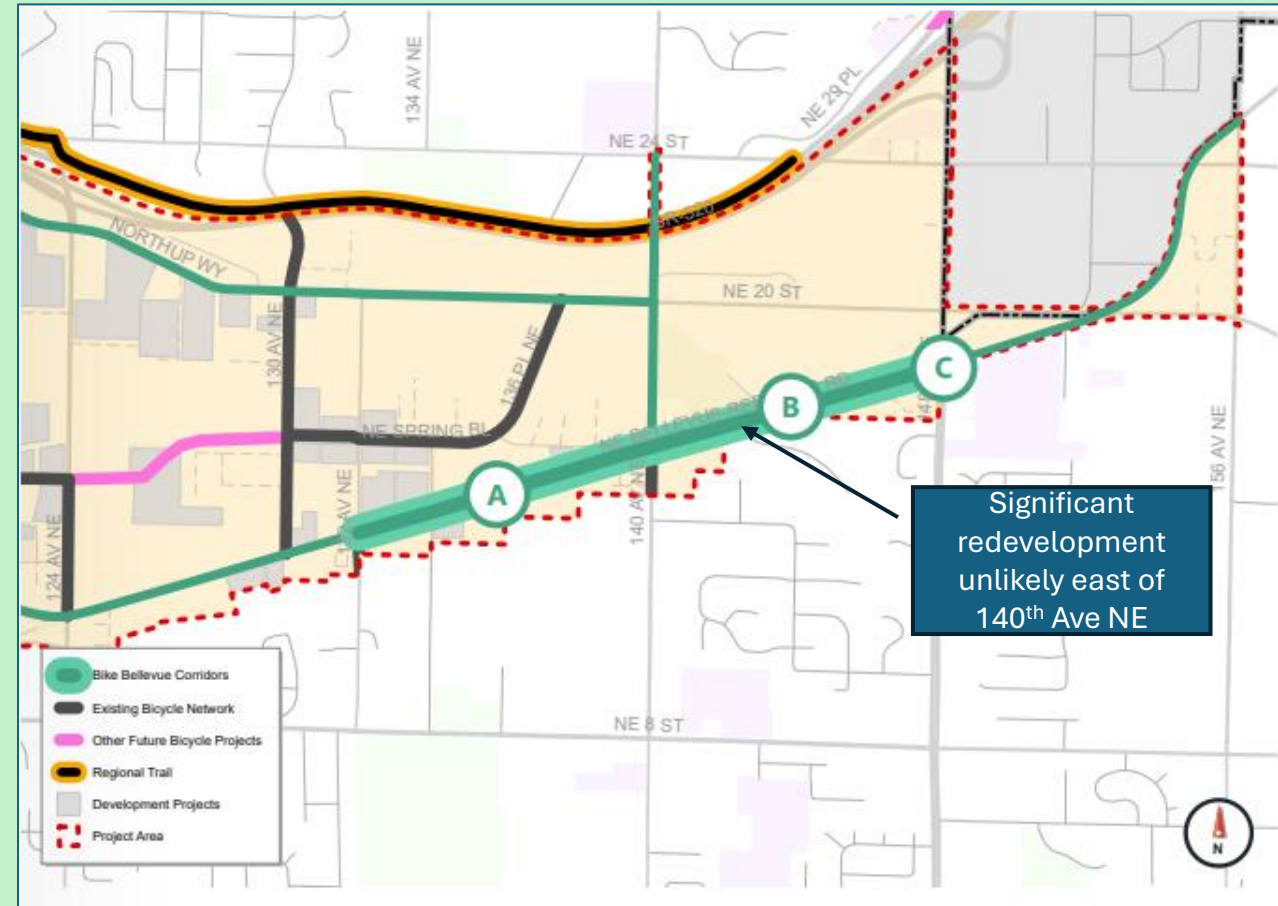
Ped-Bike Plan: None

MIP LTS Target: LTS 3

MIP Scoring for TFP: 18 out of 20 points

Options:

1. Implement Bike Bellevue
2. Refer to TFP: Conduct a Bel-Red Road Corridor study for options to achieve LTS 3



Corridor 5: Bel-Red Road

Bike Bellevue:

A. Convert 1 of 2 eastbound lanes to one-way buffered bike lanes between 148th Ave NE and NE 20th St

B. Convert 1 eastbound lane and 1 westbound lane to one-way buffered bike lanes and install a two-way left turn lane between NE 20th St and NE 24th St

C. Convert 1 of 2 eastbound lanes to one-way buffered bike lanes between NE 24th St and 156th Ave NE

D. Remove northbound peak hour left turn restriction

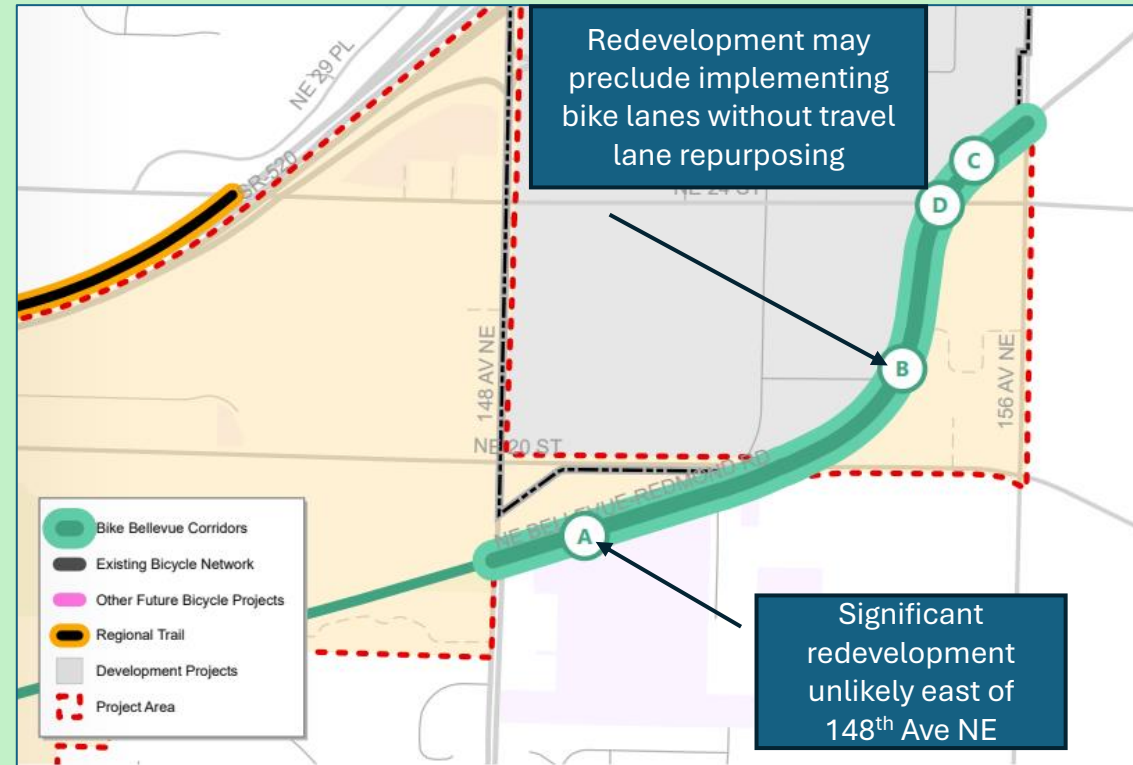
Ped-Bike Plan:

B-115-E/W: Add a 5-foot-wide bike lane on the east side/west side of Bel-Red Road from 156th Ave NE to NE 20th St.

- No bicycle project is identified west of NE 20th St.

MIP LTS Target: LTS 3

MIP Scoring for TFP: 15-18 points out of 20 points



Options:

1. Bike Bellevue
2. Refer to TFP. Conduct a Bel-Red Road Corridor study for options to achieve LTS 3.

Corridors 3, 4, and 5: Bel-Red Road

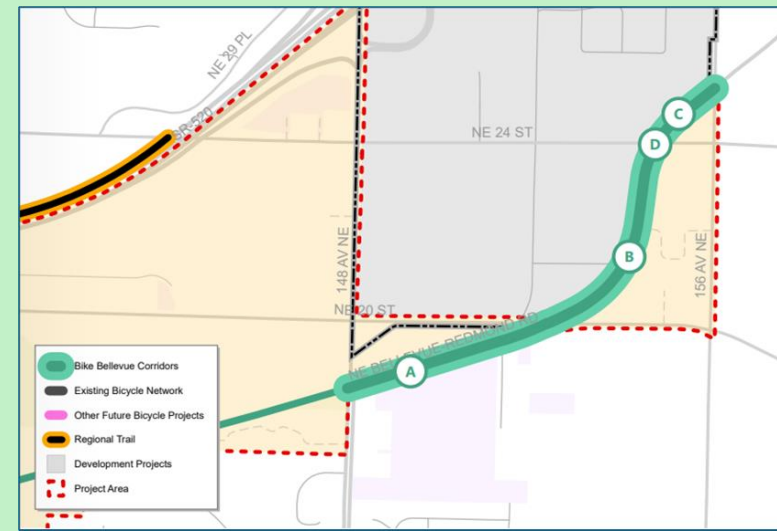
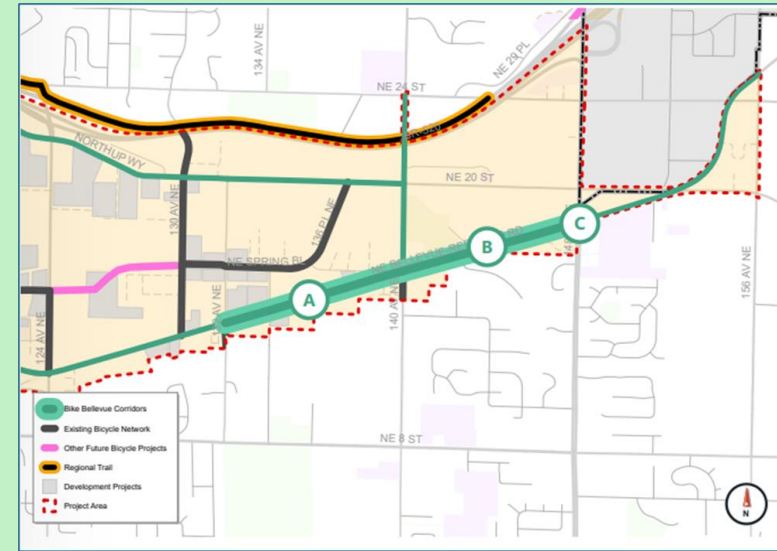
Staff Recommendation:

Category 5: Refer to TFP: Conduct a corridor study of the entire Bel-Red Road corridor between Spring Boulevard/NE 12th Street on the west and 156th Avenue NE on the east, with the objective to find options achieve MIP LTS 3 Performance Target, or better.

Include in this corridor study, options to improve bicycle network connections to the Crossroads neighborhood.

Transportation Commission Recommendation:

Bel-Red Road Corridors 3, 4, 5



Corridor 11: 140th Avenue NE

Bike Bellevue:

Convert 1 of 2 southbound lanes to buffered bike lanes.

Ped-Bike Plan:

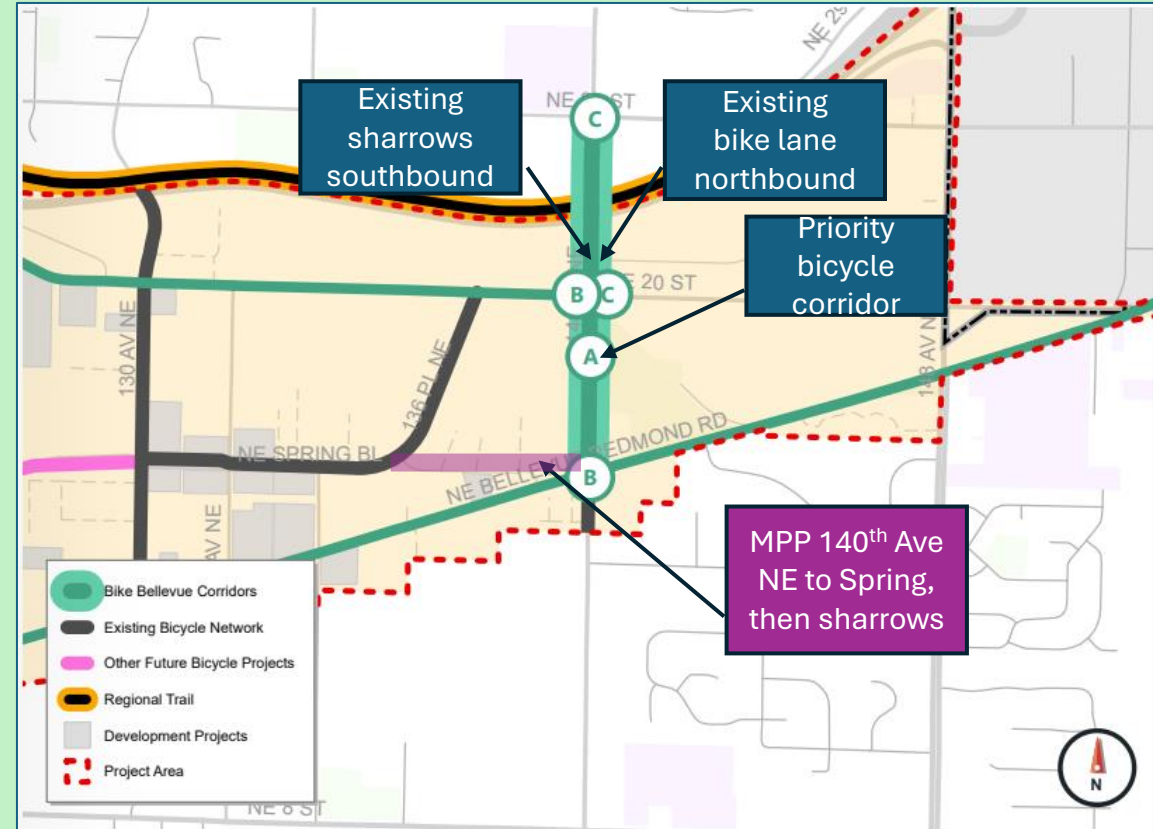
B-112-E/W: Add 5-foot bike lanes on both sides of 140th Ave NE between NE 24th St and NE 8th St. Priority Bike Corridor.

MIP LTS Target: LTS 1

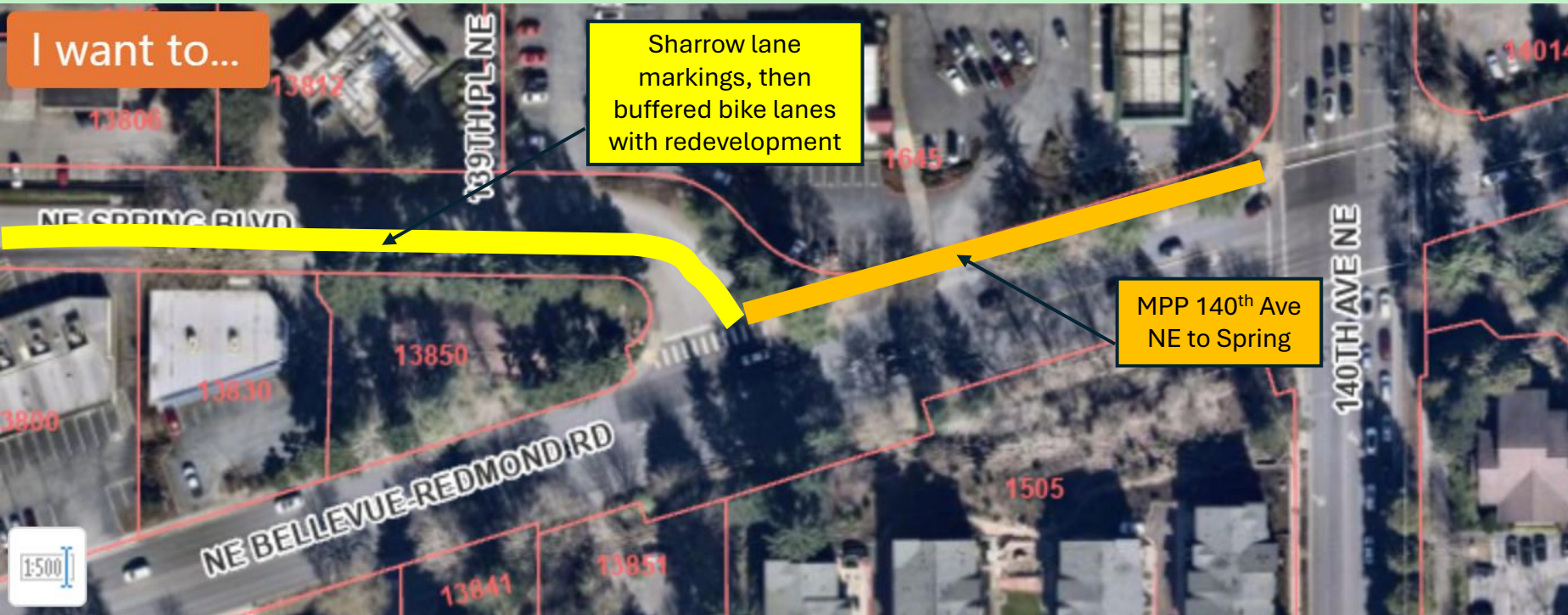
MIP Scoring for TFP: 18 points out of 20 points

Options:

1. Implement Bike Bellevue
2. Implement Ped-Bike Plan projects w/redevelopment
3. Refer to the TFP: Conduct a corridor study for options to achieve LTS 1.
4. Refer to the TFP: Design and build a multipurpose path north side of Bel-Red Rd. west of 140th Ave NE to Spring Boulevard spur, sharrow lane markings on Spring Boulevard spur.
 - 4.1. Include design for buffered bike lanes to build with redevelopment on Spring Boulevard spur.



Corridor 11: 140th Avenue NE



Multipurpose path north side of Bel-Red Rd. west of 140th Ave NE to Spring Boulevard spur, sharrow lane markings on Spring Boulevard spur.

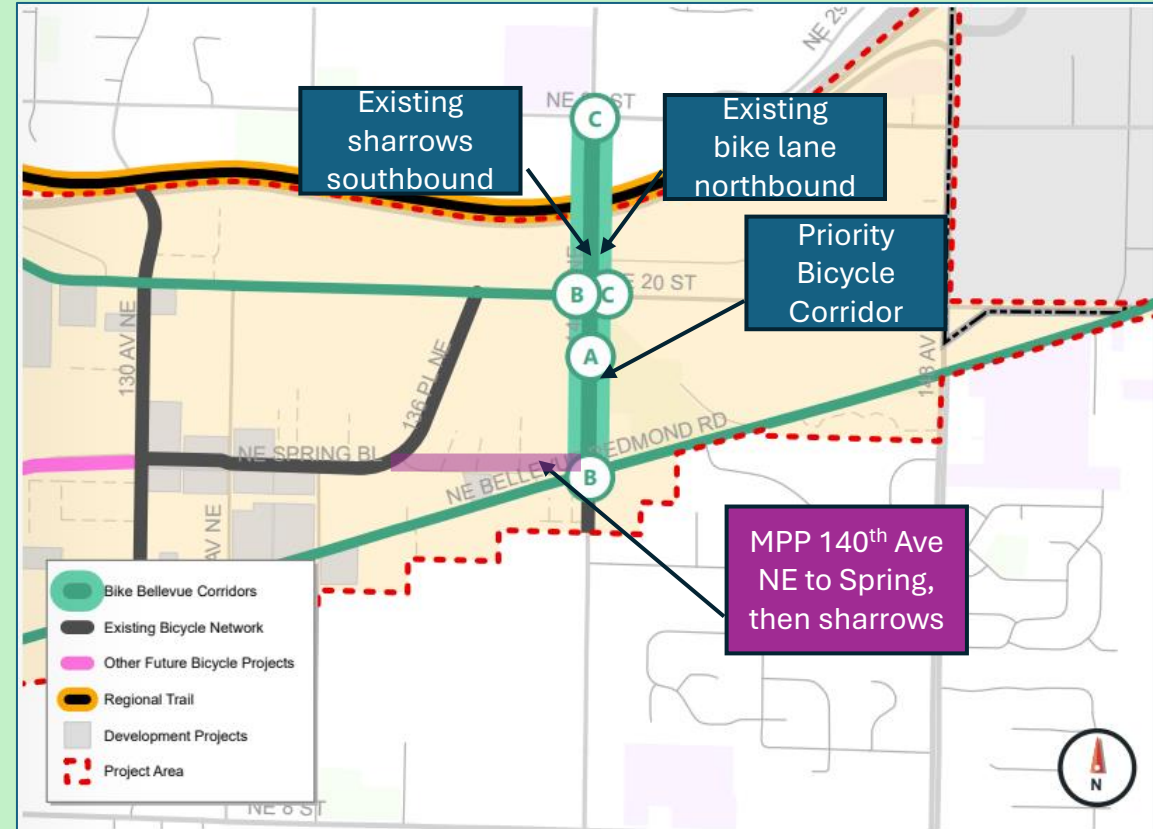
- Buffered bike lanes on Spring Boulevard spur.



Corridor 11: 140th Avenue NE

Staff Recommendation:

- Short term:
 - Enhance existing bike lane and sharrow lane markings with refreshed paint and wayfinding.
- Longer term:
 - **Category 5:** Refer to the TFP: Conduct a corridor study for options to achieve LTS 1 on the 140th Ave NE corridor, connect to Northrup Way Priority Bike Corridor and the SR 520 Trail.
 - **Category 5:** Refer to the TFP: Design and build a multipurpose path north side of Bel-Red Rd. west of 140th Ave NE to Spring Boulevard spur, with sharrow lane markings on Spring Boulevard spur. Include design for buffered bike lanes on Spring Boulevard spur to build with redevelopment.

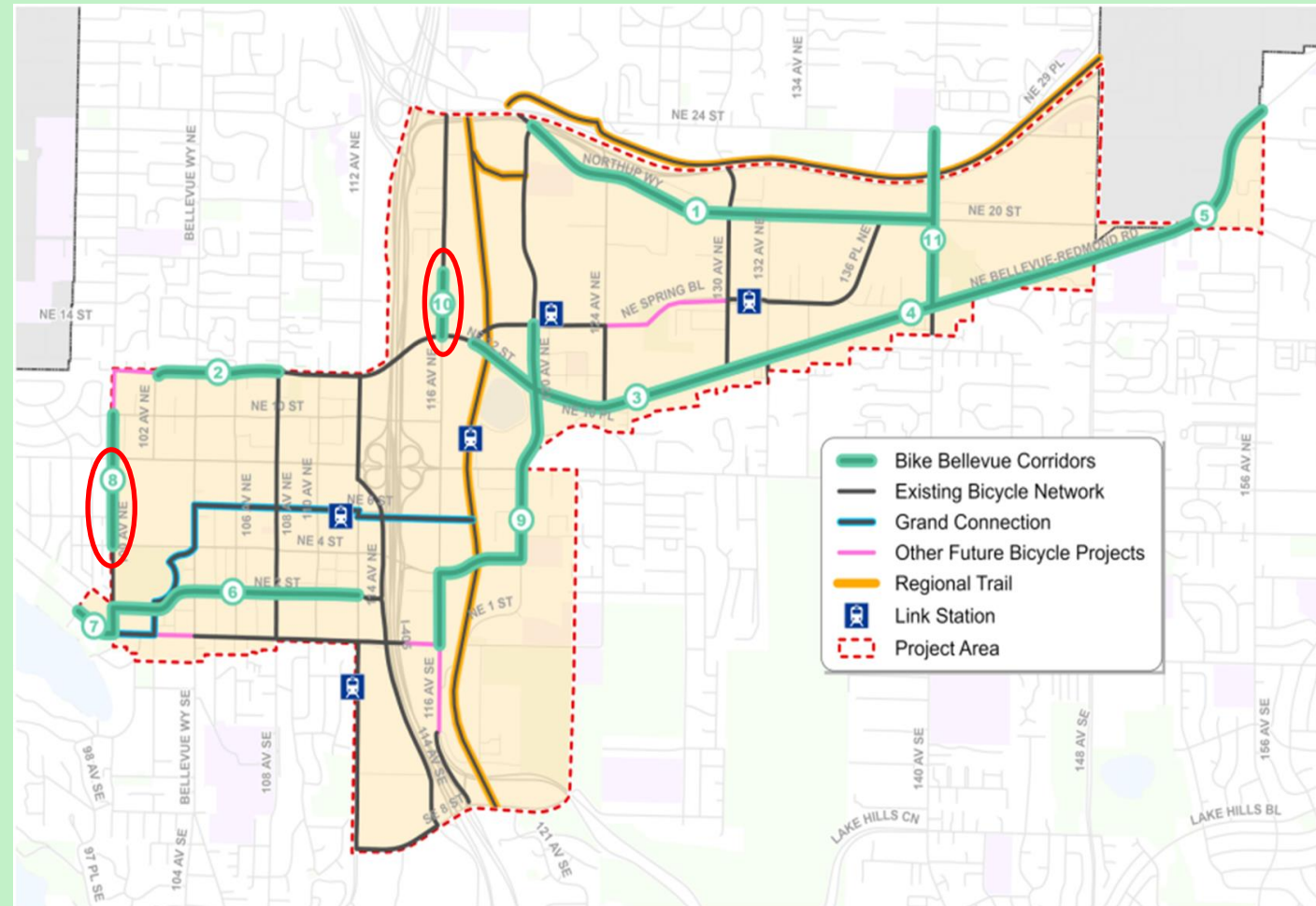


Commission Recommendation:

Bike Bellevue: Next Steps

Staff will recommend categories for the 2 remaining Bike Bellevue corridors for consideration at the September 12 Transportation Commission meeting.

- Corridor 8: 100th Avenue NE
 - NE 4th Street – NE 8th Street
- Corridor 10: 116th Avenue NE
 - North of NE 12th Street



THANK YOU!

Kevin McDonald, AICP
kmcdonald@bellevuewa.gov
425-452-4558