

BIKE BELLEVUE UPDATE
Corridor 8: 100th Avenue NE
Between NE 4th Street and NE 8th Street

Transportation Commission

October 10, 2024

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Principal Transportation Planner

Agenda

- Bike Bellevue Corridors Map
- Council Direction from March 25
- Corridor 8: 100th Avenue NE Alternatives
- Recommendation to the Transportation Director
- Next Steps

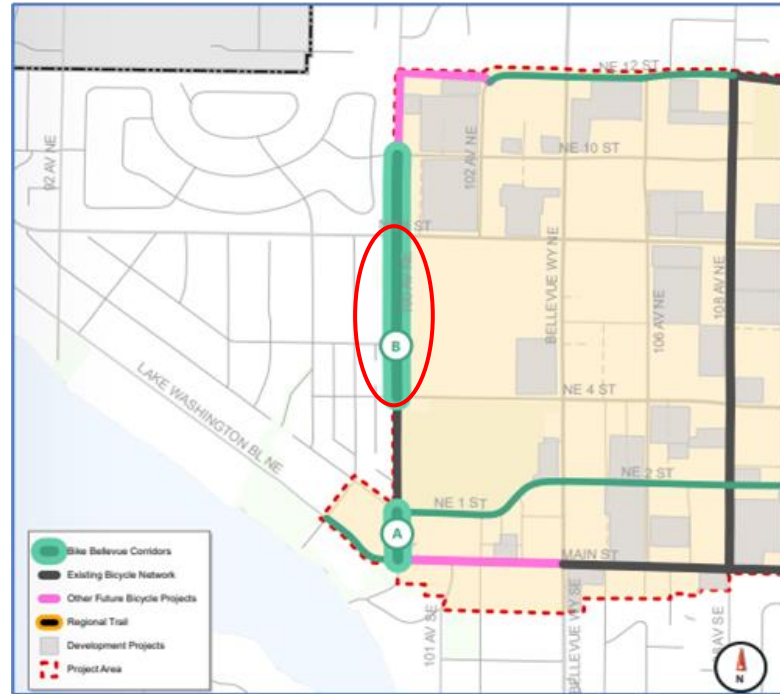
Council Direction to Transportation Commission

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 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.*

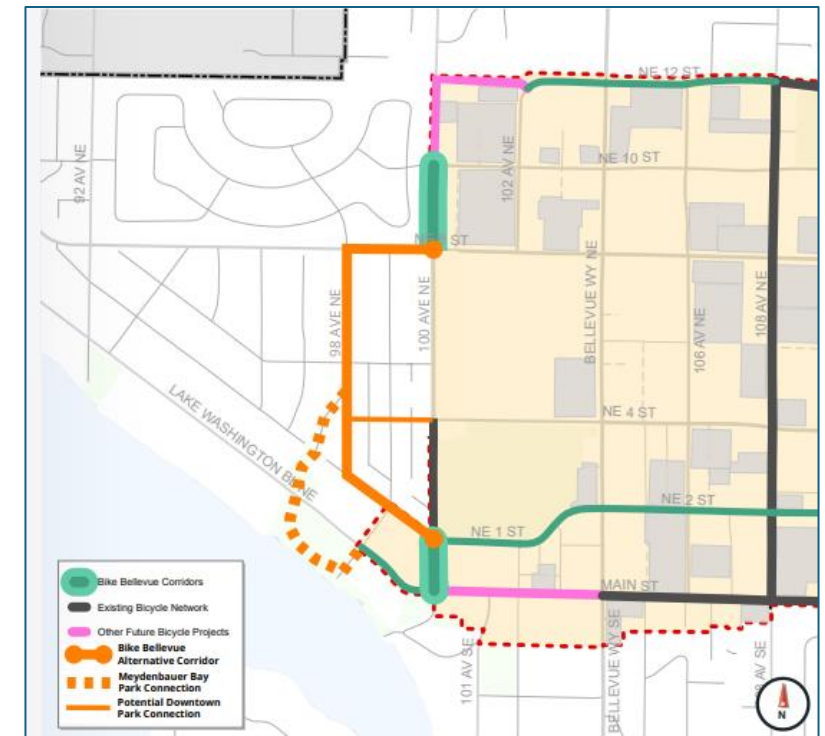
Corridor 8: 100th Avenue NE (NE 4th St – NE 8th St)

- Alternatives
- Virtual Tour
- Information



Alternative 2
Alternative 3

Alternative 4



Action: Commission Recommendation to the Transportation Director

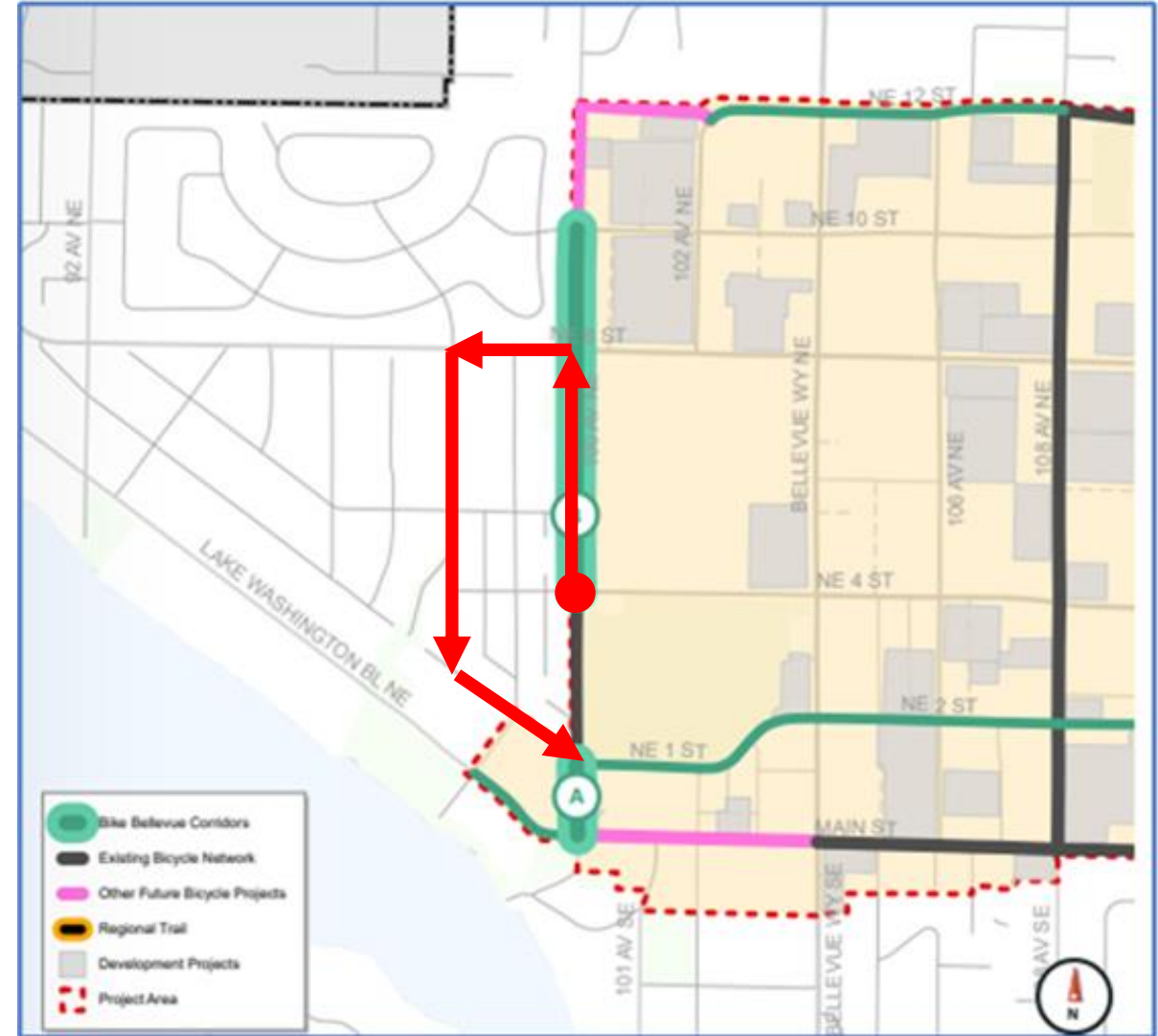
Corridor 8: 100th Avenue NE Alternatives

- Alternative 1. No Build
- Alternative 2. Repurpose northbound travel lane and implement directional bike lanes (pilot + evaluation).
- Alternative 3. Repurpose northbound travel lane and implement two-way cycletrack on the east side (pilot + evaluation). This is the Bike Bellevue design concept.
- Alternative 4. Alternate parallel route on 98th Avenue NE
 - NE 1st Street/98th Avenue NE/NE 8th Street
 - Study the NE 8th Street segment between 98th Ave NE and 100th Ave NE
 - Conduct neighborhood outreach

Corridor Tour: 100th Ave NE/98th Ave NE



100th Ave NE/NE 4th St



100th Ave NE view north

100th Ave NE view north
@ NE 5th St



100th Ave NE view north



100th Ave NE view north



100th Ave NE view north



100th Ave NE view north
@ NE 8th St



NE 8th street view west @ 100th Ave NE



NE 8th street view east @ 98th Ave NE



Note: Curb-to-curb width is about 41 feet. Right-of-Way is about 60 feet

98th Ave NE view south
@ NE 8th St



98th Ave NE view north
@ NE 8th St



98th Ave NE view south
@ NE 5th St



98th Ave NE view south
@ NE 4th St



98th Ave NE view south
@ Meydenbauer Park



98th Ave NE view south
near corner @ NE 1st St



98th Ave NE/NE 1st St
view west



98th Ave NE/NE 1st St
view north



NE 1st St view east
@ 99th Ave NE



NE 1st St view east
near 100th Ave NE



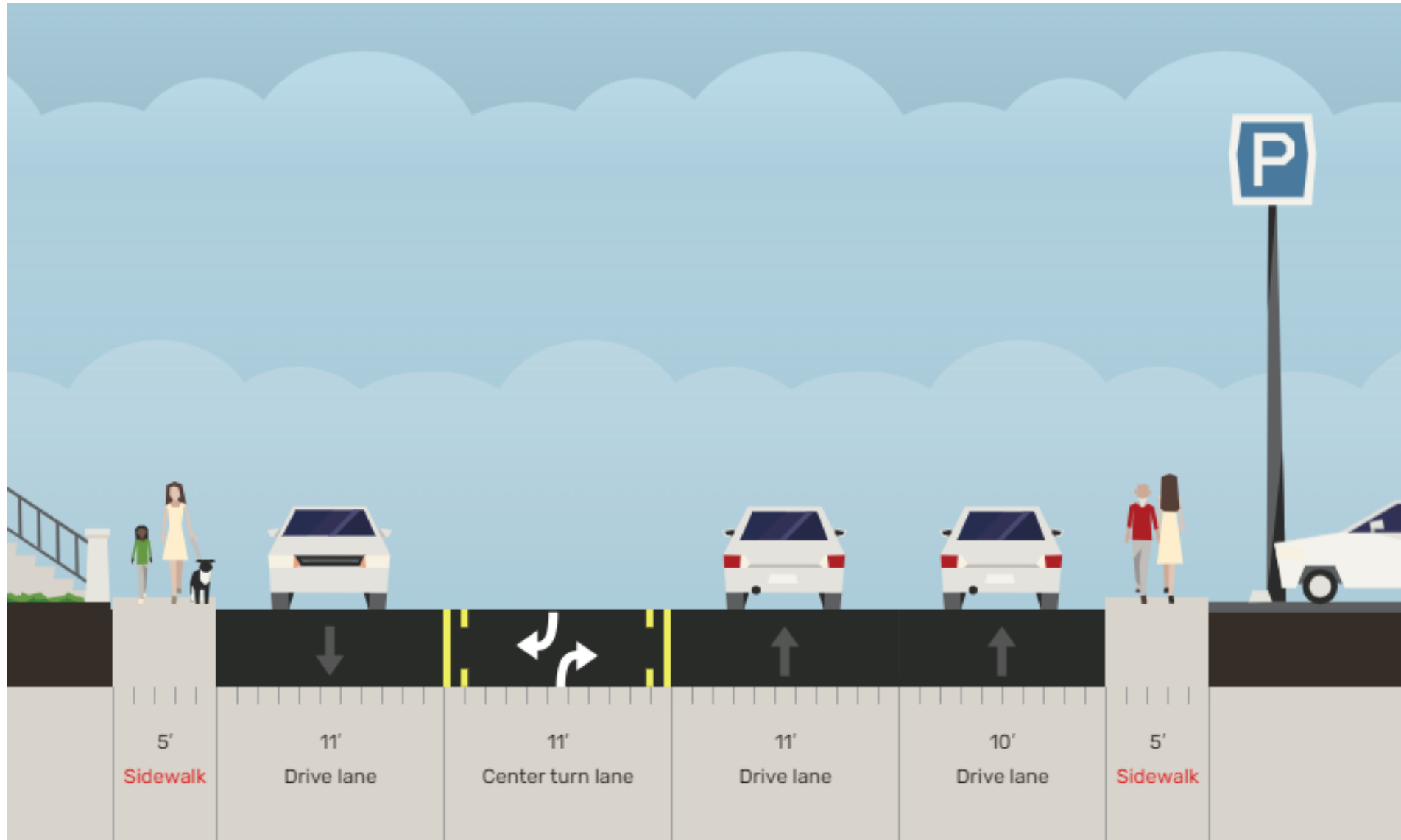
NE 1st St view east
@100th Ave NE



NE 1st St view west
@100th Ave NE

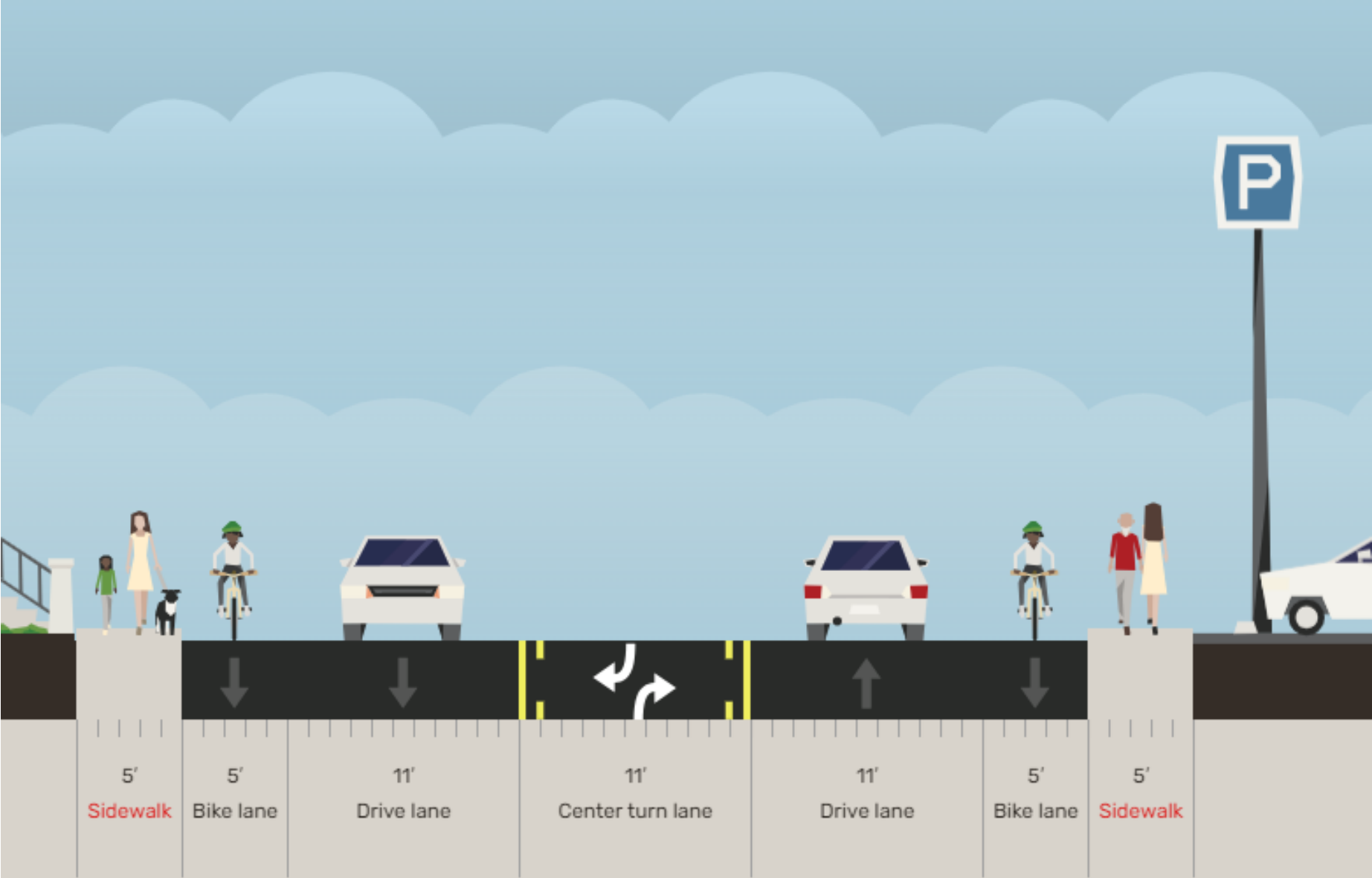


Alternative 1 and Alternative 4 No Build on 100th Avenue NE

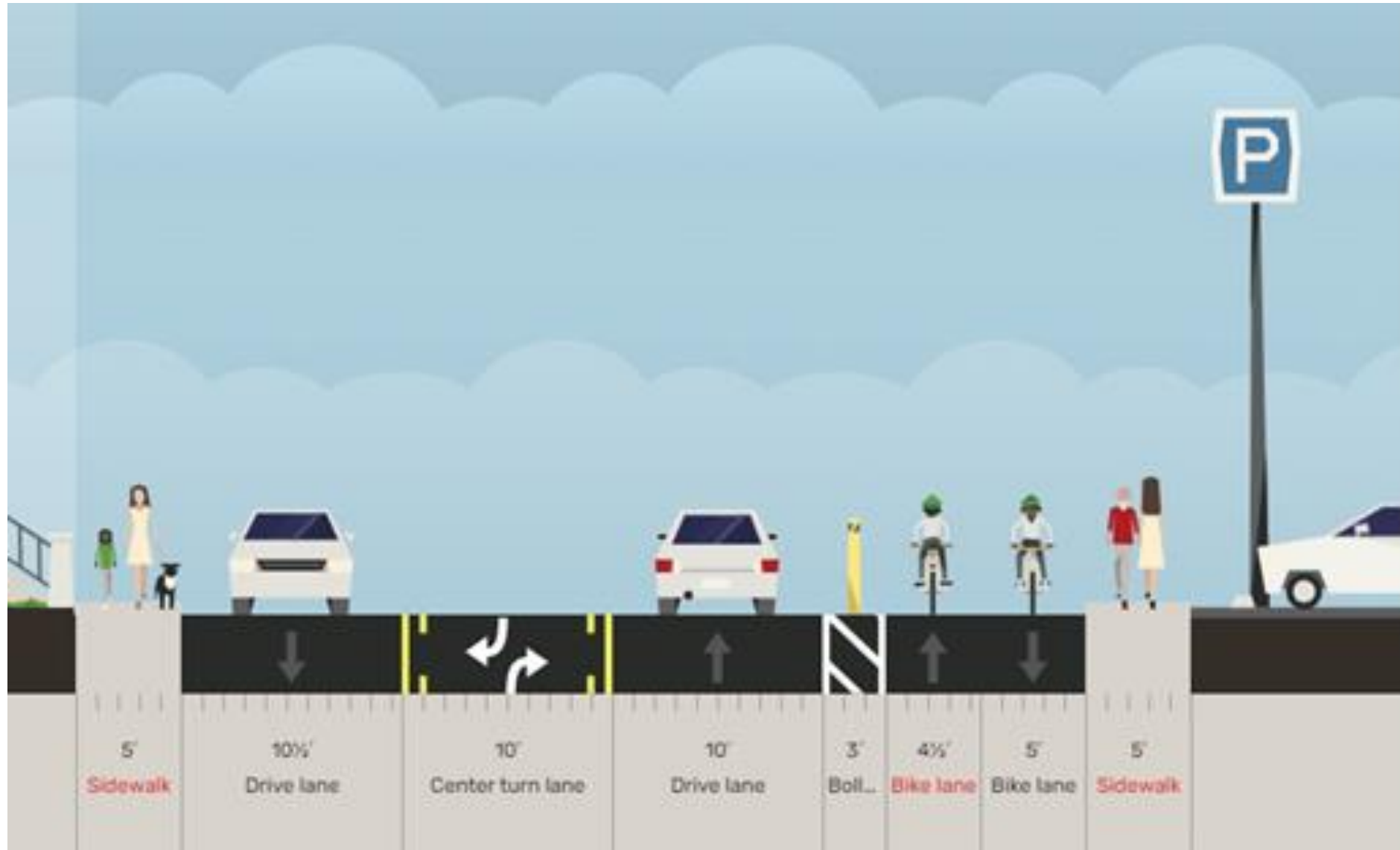


Alternative 2

Directional Bike Lanes



Alternative 3 Cycletrack



MIP Metrics & Performance

Mode	Metric	1			2			3			4		
Bike		No Build			Directional bike lanes No buffer			Cycletrack Vertical buffer			98 th Ave NE Alternate		
	Performance Target is LTS 1	Would Not Meet			Would Not Meet			Would Not Meet			May Meet pending design for the NE 8 th Street Segment		
	30 mph 10.6K ADT	LTS 4			LTS 3			LTS 2			LTS 1 on 98 th TDB on NE 8th St		
Vehicle		V/C at signalized intersections along 100th Avenue NE											
	V/C PM Peak Performance Target is 1.0	4 th	5 th	8 th	4 th	5 th	8 th	4 th	5 th	8 th	4 th	5 th	8 th
		.58	.42	.78	.58	.42	.85	.58	.44	.93	.58	.42	.78
	Travel speed Performance Target: N/A*	NB. 18 mph SB. 15 mph			NB. 17 mph SB. 16 mph			NB. 16 mph SB. 15 mph			NB. 18 mph SB. 15 mph		

* 100th Avenue NE is not a Primary Vehicle Corridor for which the MIP establishes a Performance Target for corridor travel speed. With a speed limit of 30 mph, the Performance Target would be 6 mph in PMA 1.

Bicycle Network Level of Traffic Stress

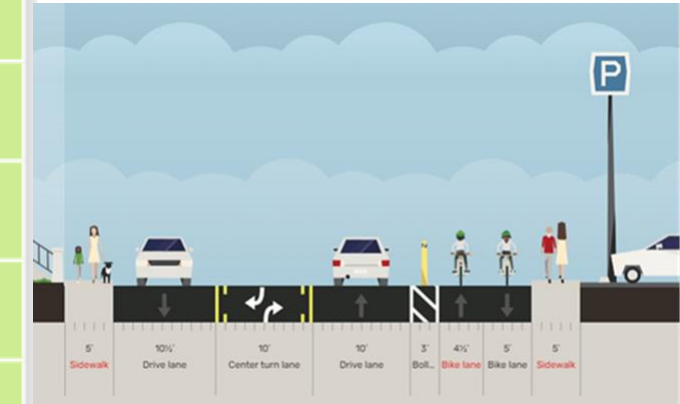
Table 3: Bicycle Level of Service/Level of Traffic Stress

Roadway Characteristics		Bicycle Facility Components: Guideline to Achieve Intended Level of Service/Level of Traffic Stress					
Speed Limit	Arterial Traffic Volume	No Marking	Sharrow Lane Marking	Striped Bike Lane	Buffered Bike Lane (Horizontal)	Protected Bike Lane (Vertical)	Physically Separated Bikeway
</=25	<3k	1	1	1	1	1	1
	3-7k	3	3	2	1	1	1
	>/=7k	3	3	2	2	1	1
30	<10k	3	3	2	2	1	1
	10-25k	4	4	3	3	2	1
	>/=25k	4	4	3	3	3	1
35	<25k	4	4	3	3	3	1
	>/=25k	4	4	4	3	3	1
>35	Any	4	4	4	4	3	1

Alternative 2



Alternative 3

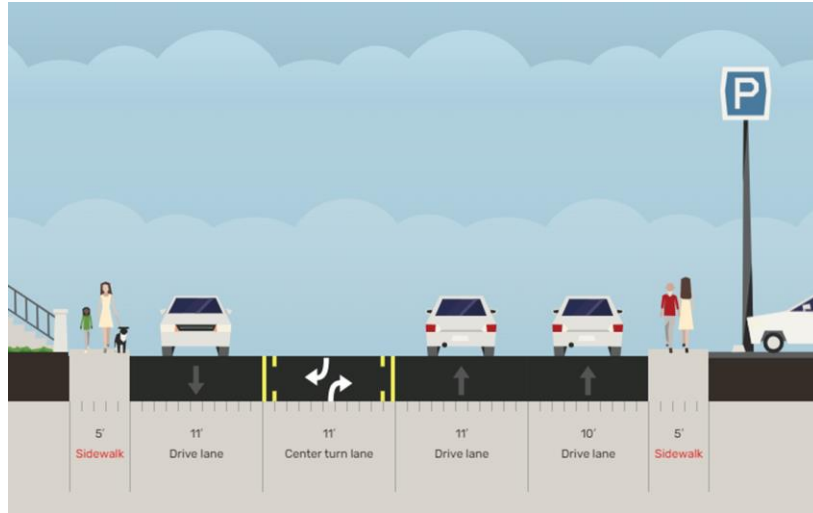


Review of Alternatives

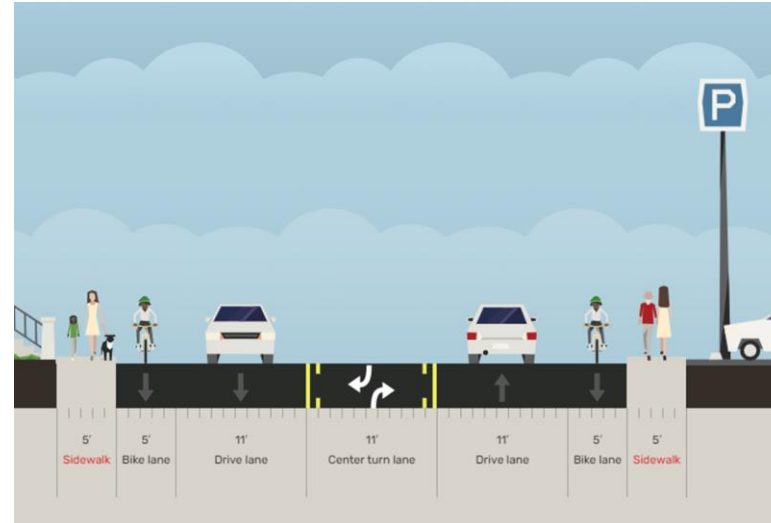
- **Alternative 1.** (No Build). **Category 6**
- **Alternative 2.** (Directional bike lanes). Repurpose a northbound travel lane. Crossover to multipurpose path at NE 4th Street. **Category 5.** Refer to TFP. Pilot + evaluation.
- **Alternative 3.** (Cycletrack). Repurpose a travel lane. Contraflow bicycling at driveways and intersections. Crossover to directional bike lanes at NE 8th Street. **Category 5.** Refer to TFP. Pilot + evaluation.
- **Alternative 4.** Alternate parallel corridor on 98th Avenue NE. Prepare design concept to make the connection on NE 8th Street between 100th Ave NE and 98th Ave NE. Engage the community in the 98th Avenue NE neighborhood. **Category 5.** Refer to TFP.

Commission Discussion and Recommendation

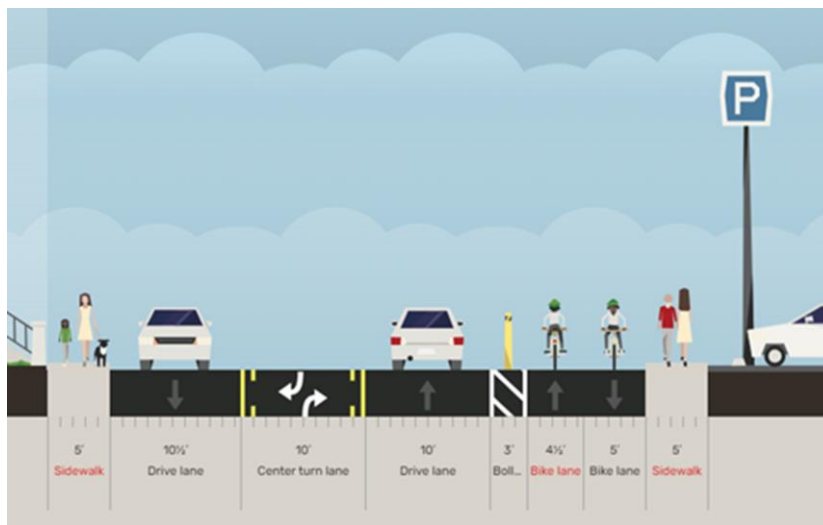
Alternative 1



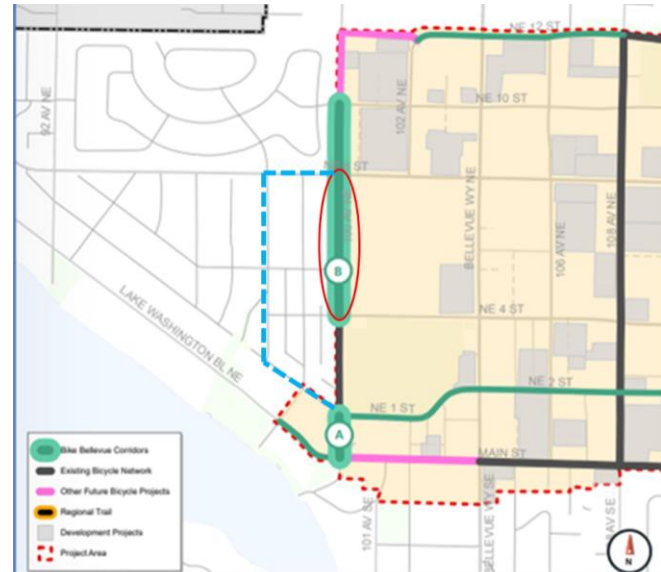
Alternative 2



Alternative 3



Alternative 4



Commissioner Ting's Motion Regarding Corridor 8

Main Motion:

I move to recommend the 98th Ave NE route shown in Alternative 4 for Bike Bellevue Corridor 8. Consistent with Category 5, this recommendation is to refer Alternative 4 to the TFP.

Potential amendments to the main motion:

- Investigate design of NE 8th St segment to achieve an LTS 1 Performance Target.
- Investigate Vuecrest option between NE 8th St and NE 10th St.

THANK YOU!

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