

**Transportation Commission
Study Session**

March 9, 2023

Bellevue Curb Management Plan

Presented By:

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Agenda for Today



CMP Overview



**Curb Pilot
Roadmap**



**Next
Steps**

Objectives for tonight

- Project team informs Transportation Commission on draft recommendations within the Curbside Guide and welcomes discussion + feedback.
- No action requested at this time.





CURB MANAGEMENT PLAN OVERVIEW

What is the Curb Management Plan?

The **Curb Management Plan (CMP)** is the culmination of a year's worth of planning and engagement on how best to manage Bellevue's valuable curb space efficiently and effectively.

What is the Curb Management Plan?

The CMP has been developed based on comments from:

- Transportation Commission
- Interested organizations
- General public feedback

What will the CMP include?

Curb Management Plan

- **Executive summary**
- **Curb management in Bellevue**
 - State of the curb, public engagement, and comp. plan policies
- **Curb supply and demand**
 - Curb typology
 - Pricing and demand management recommendations
- **Curb Practices Guide**
 - Summary-level recommendations
- **Curb Pilot Roadmap**
- **Looking Forward**



Appendices

- **Appendix A:** Curb Practices Guide (detailed)
- **Appendix B:** Curb Pilot Roadmap (detailed)
- **Appendix C:** Public Engagement Summary
- **Appendix D:** State of the Curb

What will the CMP include?

Curb Management Plan

Executive summary

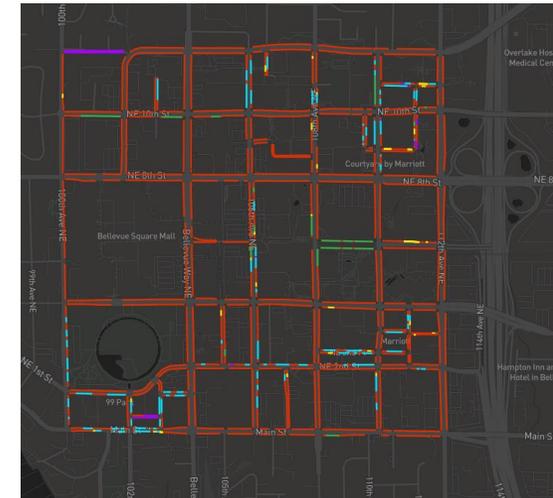
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Executive summary

- 3-5 pages in length
- Summary of key findings, problem statements, and recommendations
- Graphics and visuals

Current Approaches

- Curb areas are managed on an ad-hoc basis.
- Parking enforcement is very light (i.e., contracted in downtown).
- No curb operation guidance during development review.
- Curb interventions have been focused on pilot projects in recent years.



How will the CMP address issues?

<u>Current approaches</u>	<u>Present issues</u>	<u>How the CMP will address issues</u>
<i>Ad-hoc management of curbside areas</i>	Curb problems are addressed reactively	Curb problems are handled proactively via dedicated program
<i>Minimal parking & curb enforcement</i>	High rates of parking violations, lane blockages	Provides roadmap to increase enforcement & improve information
<i>Minimal guidance on curb operations via development review</i>	Decisions are made ad-hoc & unpaired with city goals	City plans & policies are clarified within the new Curb Typology
<i>Curbside rules are static, not reflecting changing demands throughout a given day</i>	Demands vary by time-of-day and day-of-week, causing inefficiencies	Provides guidance to allow time-of-day and day-of-week flexibility



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Curb management in Bellevue

- Definition of curb and curb management
- Key findings from state of the curb (*note: full doc included as appendix*)
 - Current approaches
 - How the curb is used today in Bellevue
- Summary and themes from initial public engagement
- Recap of comp. plan policies (*adopted Dec. 2022*)

What will the CMP include?

Engagement recap:

Stakeholder Interviews & Focus Groups



Concluded 6 focus group in March: Mobility Services, Local Businesses, Regional Employers, Residents, Advocates, and Development.

Curb Summit

Held on Tuesday, March 29. 65 attendance in the morning public session and 30 attendance in the afternoon practitioner workshop session.

Engaging Bellevue Questionnaire



Closed on April 15th. 196 responses received.

What will the CMP include?

Engagement recap:

Meeting Group	# of Meetings	Discussion Notes
City Council	3	Launch CMP; Adopt curb management policies
Transportation Commission	7	CMP Policy development; CMP content development
Planning Commission	3	CMP policy development
Focus Groups	6	Gathered feedback from curbside stakeholders
Curb Summit	1	Open-to-the-public virtual meeting for CMP
Questionnaire	N/A	Online questionnaire to inform CMP recommendations
Bellevue Downtown Association (TR Committee)	6	Overview of CMP; track CMP progress
Bellevue Chamber of Commerce (TR Committee)	4	Overview of CMP; track CMP progress
Bellevue Diversity Action Network	1	Overview of CMP; track CMP progress
Old Bellevue Merchants Association	1	Overview of CMP; track CMP progress

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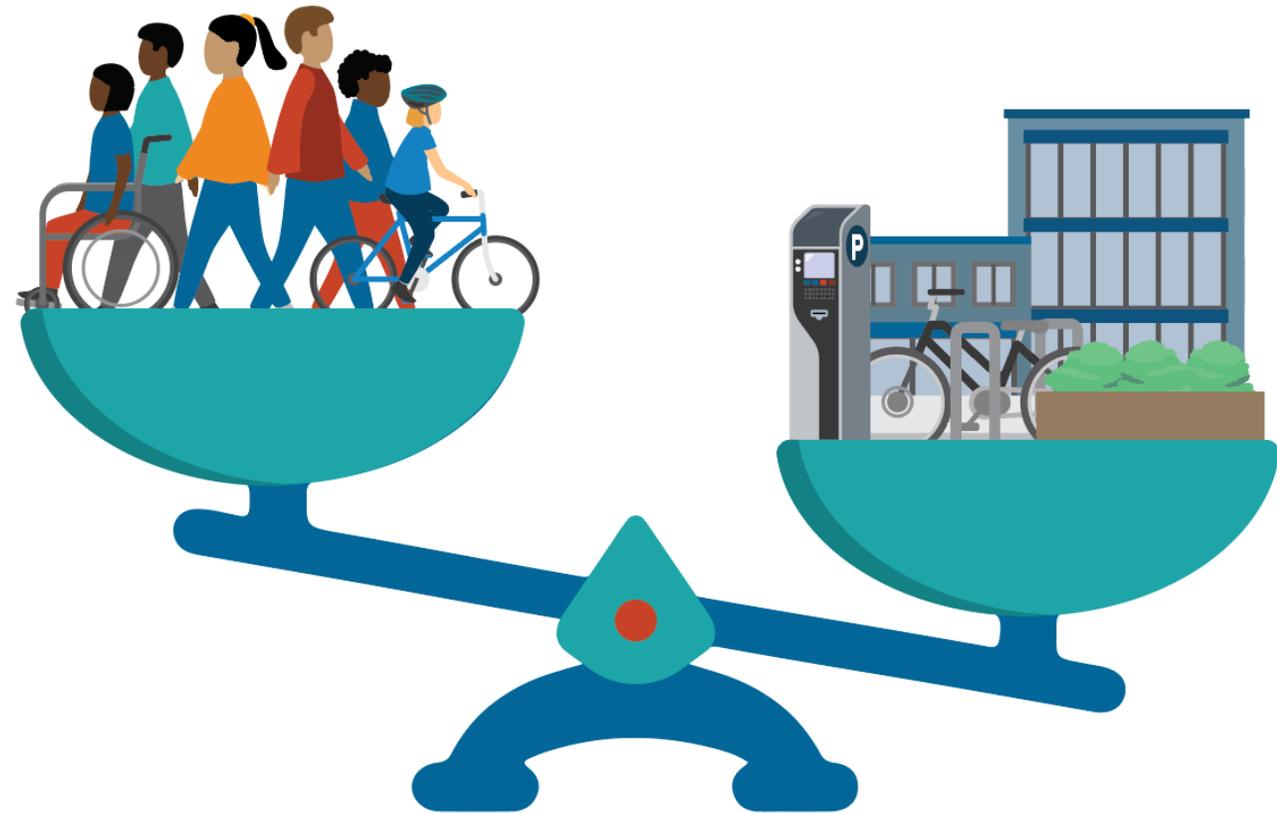
Curb supply and demand

- Supply:
 - Curb typology Overview
 - Curb typology maps (existing, future, and conflicts; interactive web map will also be available)
- Demand:
 - Curb and parking utilization in Bellevue
 - Pricing and demand management concepts and recommendations

What will the CMP include?

Curb supply and demand

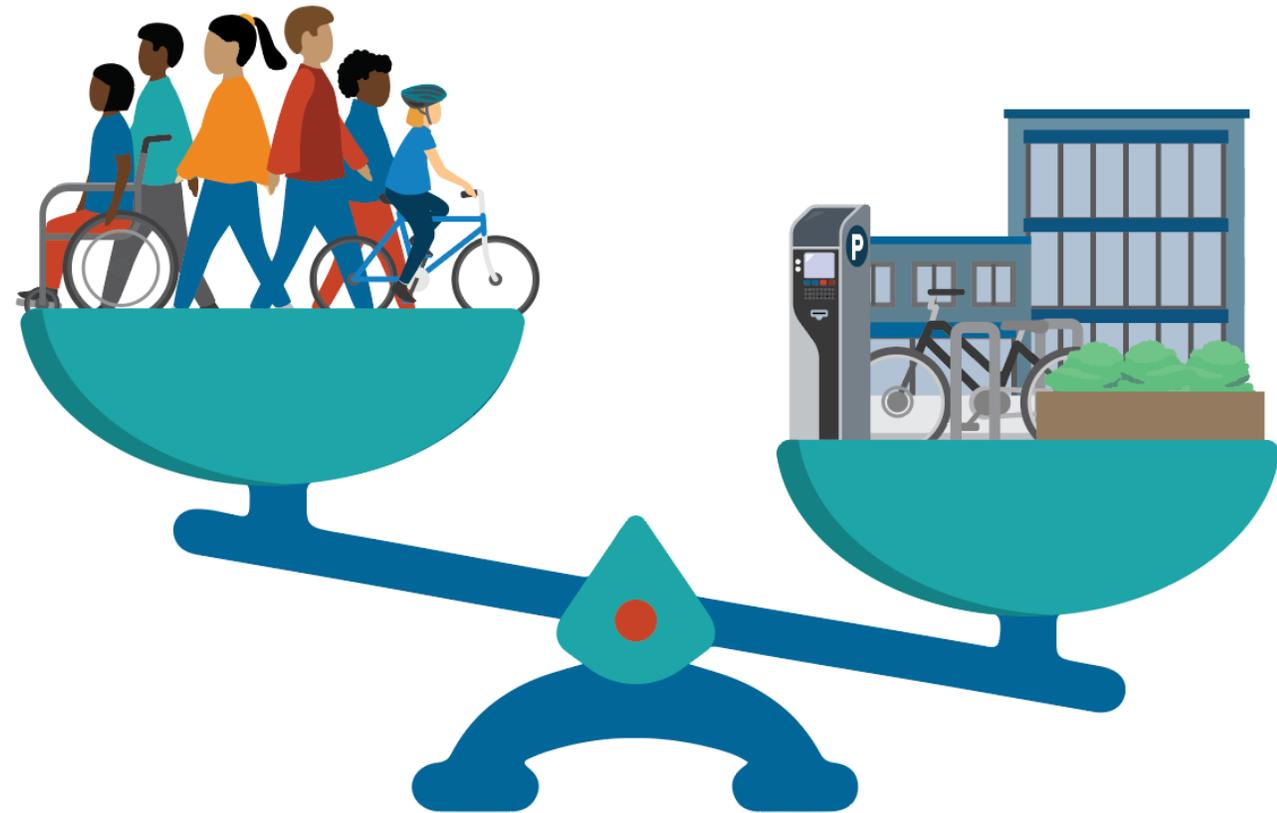
- Curb space is a limited public resource that is subject to the forces of **supply and demand**
- The curb is the setting for myriad **mobility and placemaking functions**, all of which provide economic value to the community



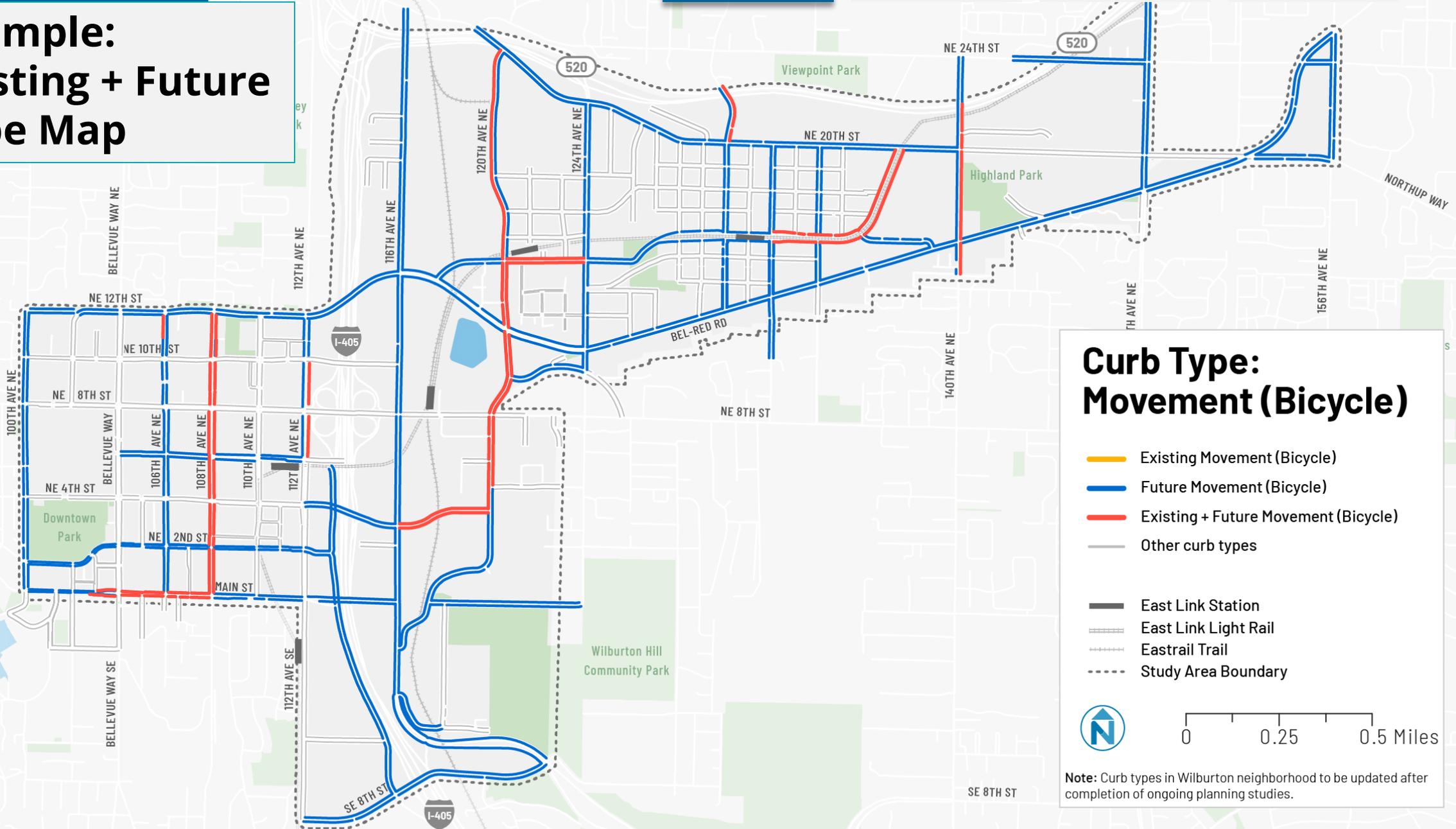
What will the CMP include?

Curb supply and demand

- Curb Supply:
 - The **curb typology** addresses the supply side of curb management
- Curb Demand
 - The **curb pricing framework** will address the demand side of curb management



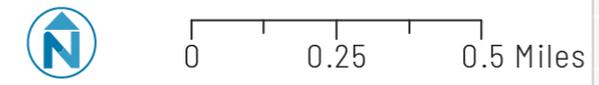
Example: Existing + Future Type Map



Curb Type: Movement (Bicycle)

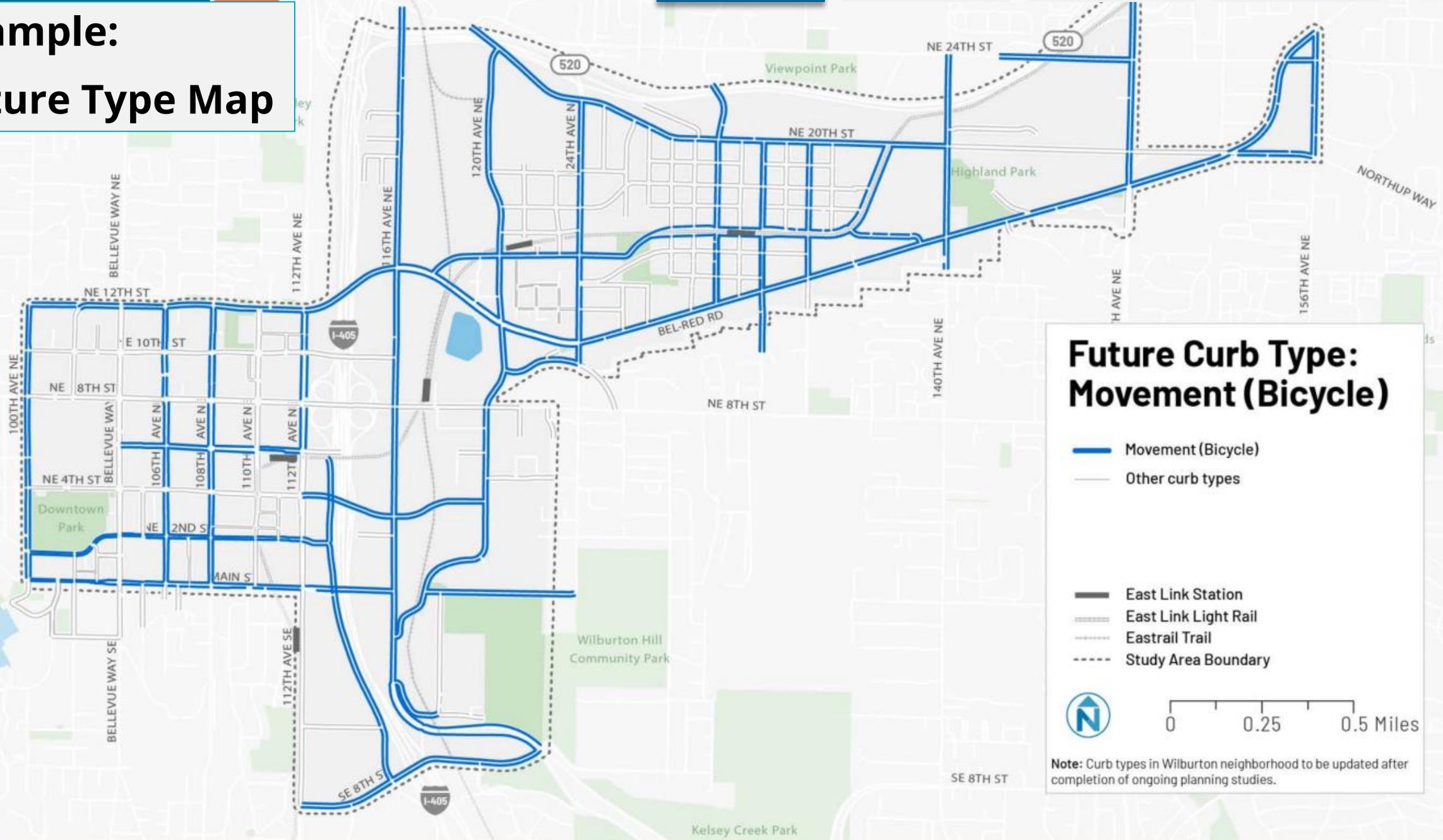
- Existing Movement (Bicycle)
- Future Movement (Bicycle)
- Existing + Future Movement (Bicycle)
- Other curb types

- East Link Station
- East Link Light Rail
- Eastrail Trail
- Study Area Boundary



Note: Curb types in Wilburton neighborhood to be updated after completion of ongoing planning studies.

Example: Future Type Map



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Curb practices guide

- Summary of 27 curb practice recommendations, across 6 categories:
 1. Curb regulations
 2. Storage
 3. Curb access features
 4. Sustainable and emerging mobility
 5. Curbside activation
 6. Digital governance
- *Note: full details will be in appendix*

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Curb Pilot Roadmap

- Pilot project concepts to address present day curb challenges
- Detailed implementation strategies, considerations, and guidance
- Staffing requirements

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Looking forward

- Equity + curb management
- Staffing considerations
- Implementation guidance: delivering curb practices and pilot programs

**Are there any questions
related to the structure and
scope of the CMP?**



CURB PILOT ROADMAP

Pilot roadmap

Priority problem statements for curb pilot programs:

1. Curb use

1. Need to eliminate auto/delivery conflicts with transit, bike, and pedestrian movement at curb
2. Curbs inflexible and single use (e.g., passenger, freight loading, and parcel delivery are regulated as one category)
3. Not enough passenger and commercial loading zones due to growing delivery/ridehail demand

2. Curb network and information

1. Imbalance between the curb's throughput, access/delivery, and place functions
2. Perception of parking difficulty: lack of parking at the curb, parking is hard to find, and/or there is a low awareness of off-street parking options

3. Curb processes

1. City lacks a systematic way to collect, update, manage, and communicate curb data
2. City lacks the ability to effectively enforce curb regulations (such as loading and lane blockages)

Near-Term Pilot Concepts



1 Zero Emissions Delivery Zones

Allocate curb space for low/no emission commercial delivery modes and methods such as e-cargo bikes, electric vans, and common lockers to divert loading to the zones and incentivize operators to more rapidly innovate



2 Shared AV Loading and Digital Curb

Create permitting process that allows shared autonomous mobility operators to digitally map the curb and, in the long term, test and launch operations to proactively define the future of autonomous mobility in Bellevue



3 "On-Street to Off-Street" Curb Diversion

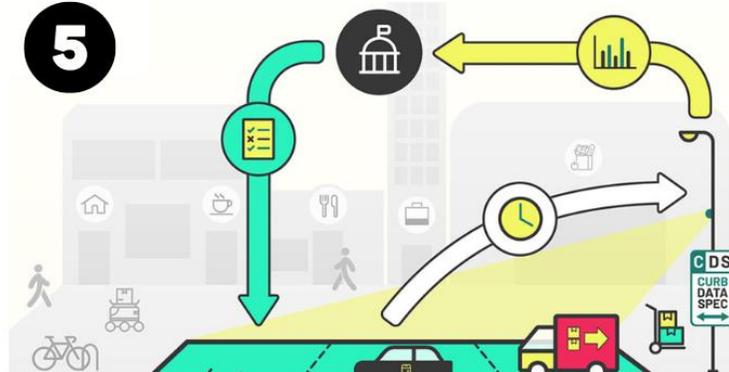
Divert personal vehicles to off-street parking by displaying garage/lot occupancy and divert commercial vehicles to existing loading bays to create a safer and less congested curb ecosystem for desired and shorter term uses

Near-Term Pilot Concepts



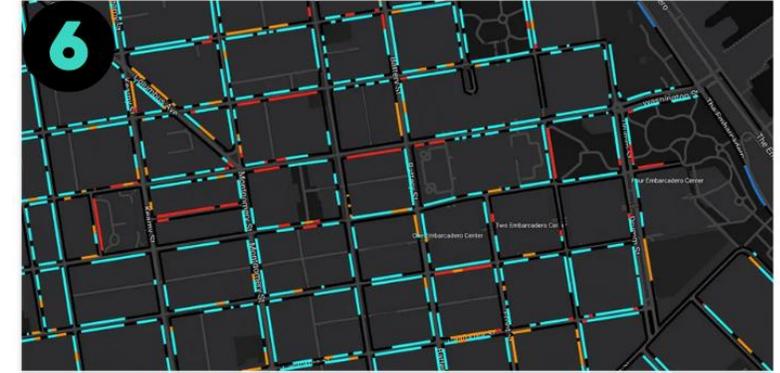
4 Loading Zone Supply / Demand Alignment

Collect data on loading zone locations, usage, and demand for different types of loading (commercial, passenger, personal) to understand mismatches and rightsize the number and types of loading zones according to current supply/demand



5 API Standardization via Curb Data Specification

Join the CDS working group and standardize data sharing, APIs, and communication requirements with mobility operators



6 Agile Processes for Real-Time Workflow, Information, and Regulation Updates

Institute streamlined, agile processes in Bellevue's internal workflow so all City functions use the same process to update curb asset data and regulations

Near-Term Pilot Concepts

Category	Priority	Problem Statement	Pilot Concepts					
			Low Emission Delivery Zones	Shared AV Ridehail Loading and Digital Curb	"On-Street to Off-Street" Curb Diversion (Commercial and Personal Vehicles)	Loading Zone Supply / Demand Alignment	API Standardization via CDS	Agile Process for Real-Time Workflow, Asset Information, and Regulation Updates
Curb Use	High	Auto/delivery conflicts with transit, bike, and ped movements	■	■	■			
	Mid	Curbs are inflexible and single use	■	■	■	■		
	Mid	Lack of passenger and commercial loading zones	■	■	■			
Curb Network and Information	High	Imbalance between curb's throughput, access, and place functions	■		■	■		■
	Mid	Perception of parking difficulty	■	■	■	■		
Curb Processes	High	No systematic way to collect, update, manage, and communicate curb data				■	■	■
	Mid	Inability to enforce curb regulations		■			■	■

3

NEXT STEPS

Next steps for the CMP

- ~~February 2023:~~

- ~~High-level CMP recommendations + Pilot Roadmap~~

- **March 2023:**

- ~~TR Commission: Overview of CMP and recap of guidance heard to date~~
- Finalize CMP, curb practices guide, and pilot roadmap

- **April - June 2023:**

- Public Review of CMP
- TR Commission provides final recommendation on CMP



Thank You

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