

Welcome

City of Bellevue

Transportation Department

Practitioner's Meeting on the

New Multimodal Concurrency Program

12:30 p.m. to 1:30 p.m.



MOBILITY IMPLEMENTATION PLAN

Multimodal Concurrency: **Implementation**

Practitioners Meeting
August 4, 2022

Molly Johnson, PE

Transportation Development Review Manager

Darwin Li, PE, PTOE

Senior Transportation Engineer



Transportation



Agenda

1

New Code Basics

2

Projects in Review

3

Traffic Modeling

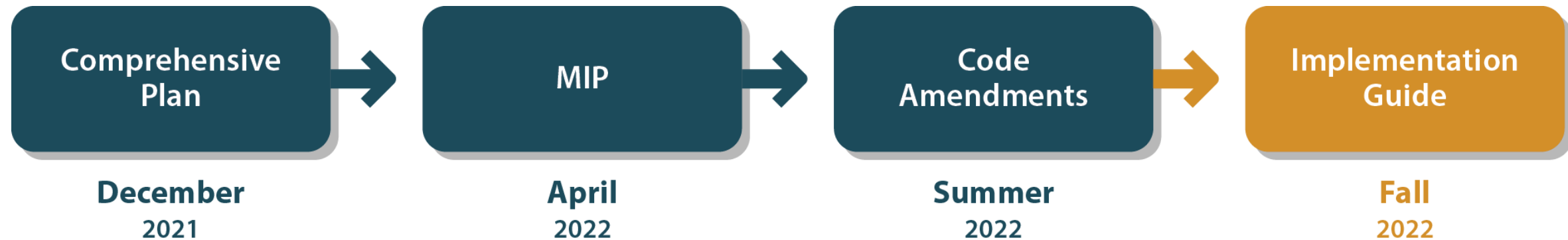
4

Next Steps





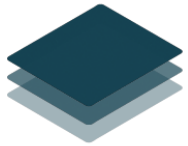
Concurrency Update Process



Effective Date for new code will be October 17, 2022



New Code Basics



Multimodal
Review



Determination
Process



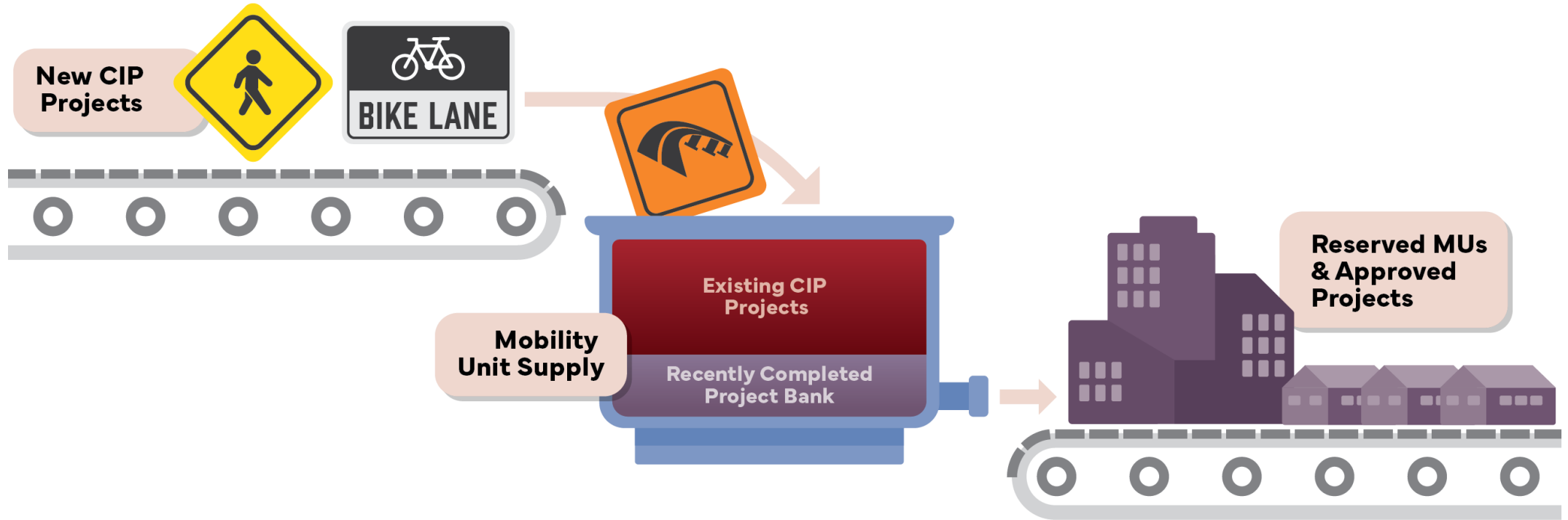
Implementation
Guide



30-Day Transition
Period



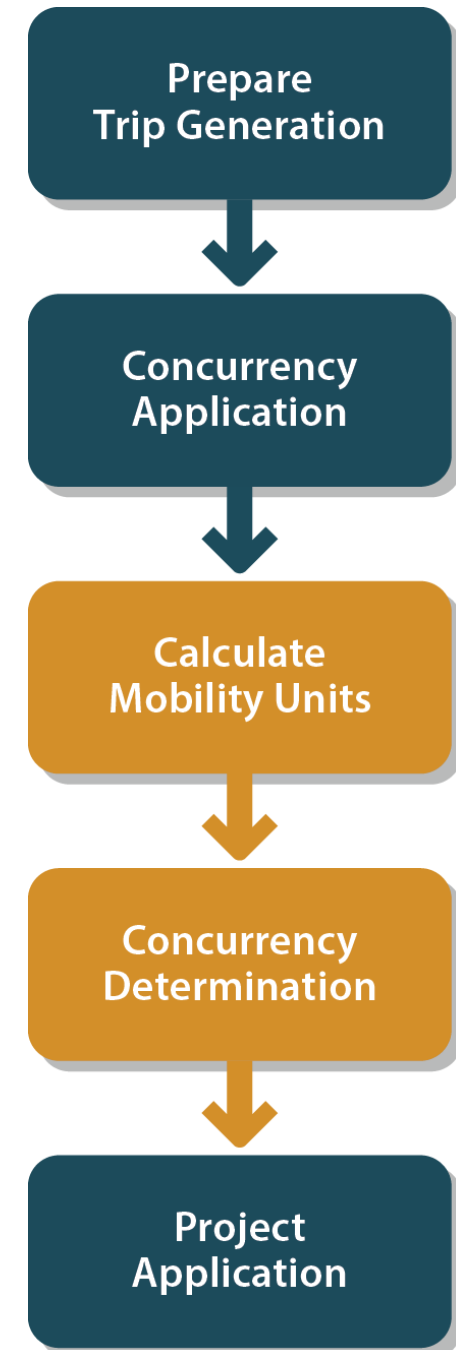
Mobility Unit Supply and Demand





Determination Process

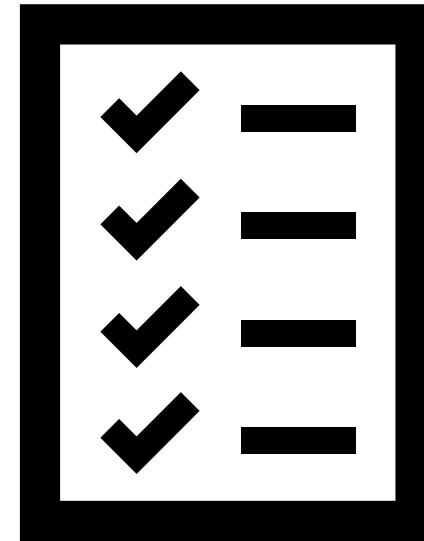
- City reviewer approves trip generation prior to application
- All projects require concurrency determination
- Concurrency determination required with Land Use applications





Goals for System Development

- Use available data → vehicle trip basis
- Mobility Units scaled by mode
- Mode shares unique to Bellevue
- Provide simple way to calculate Mobility Units





Concurrency Application

Date: _____

Project Name: _____

Permit Number: _____

Contact/Applicant Name and Email: _____

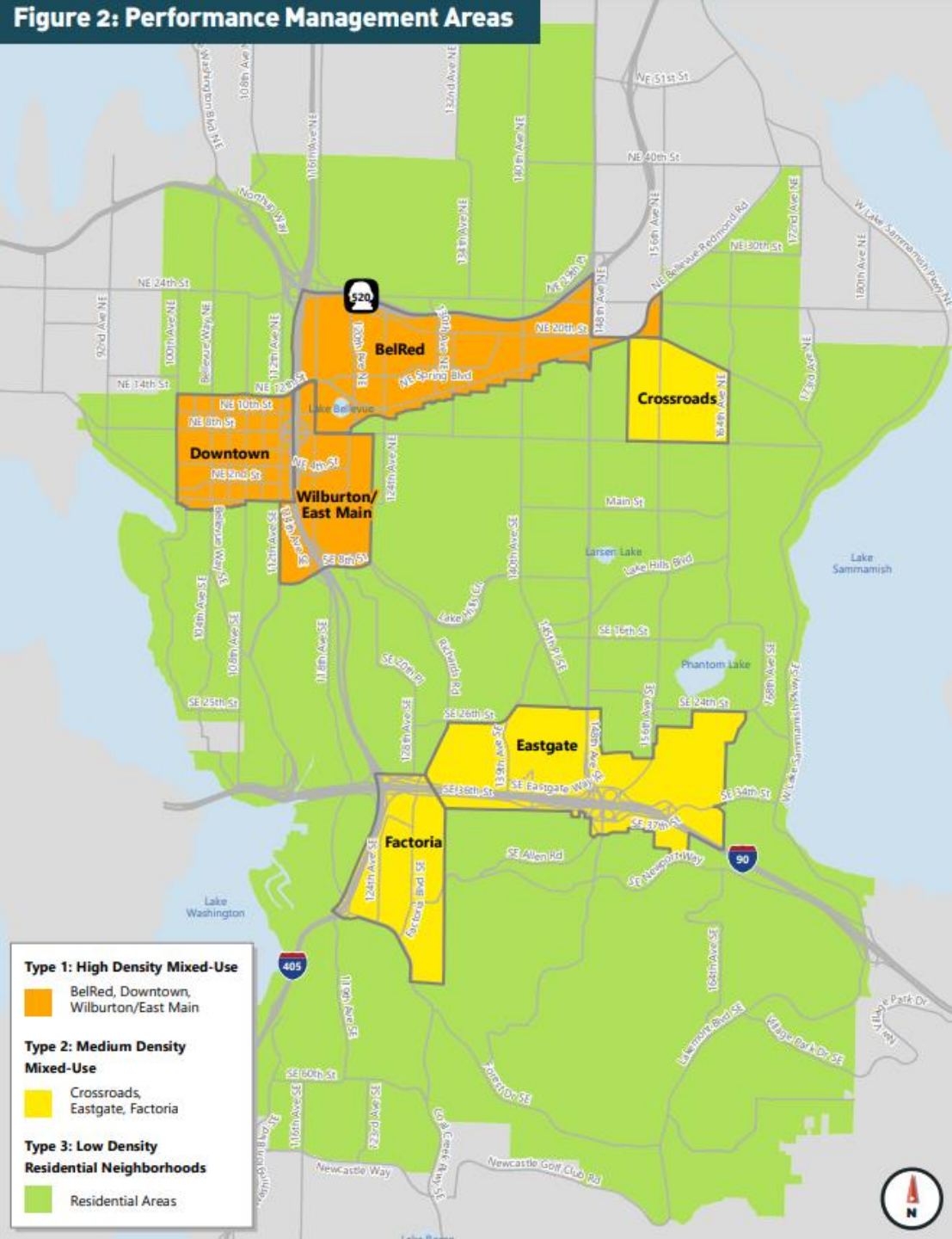
Project Address: _____

Performance Management Area: _____ Reviewer: _____

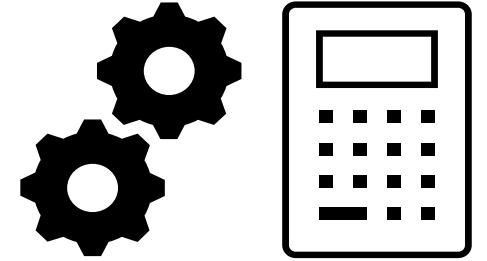
Vehicle Trip Generation Summary:

Land Use	Size and Units	Vehicle Trip Rate	Total Vehicle Trips
Proposed:			
Existing:			
Net New			

- Notes:
- 1. Trip generation to be approved by project reviewer prior to submittal of application form.
 - 2. If using person trips for trip generation, attach detailed summary including total trips for each travel mode.



Concurrency Model and Tool



New Concurrency Model based on Person Trips, not vehicle trips.

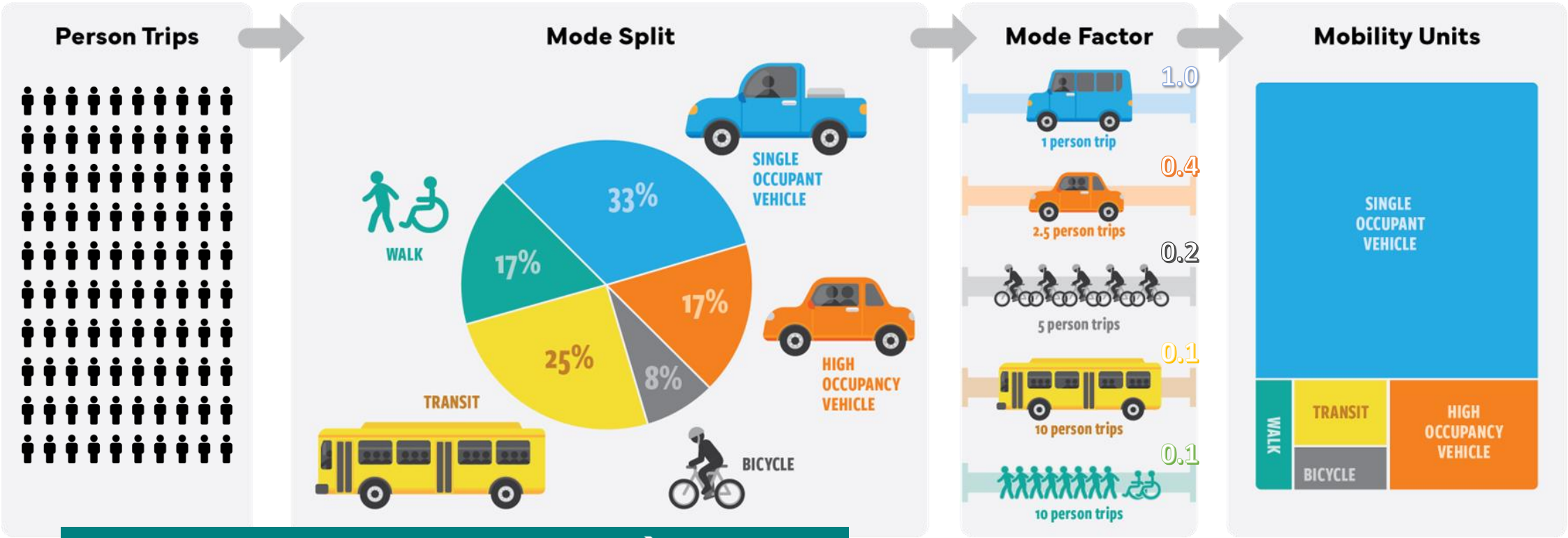
Sources include BKR traffic model, other jurisdictions' systems, Census Data, Survey Data, and ITE.

Calculation tool converts vehicle trips to person trips to mobility units.

Uses vehicle-to-person (P/V) trip ratios and mode shares from model for each land use in each PMA.



Mobility Unit Calculation



Example: 100 person trips → 47 MU



Concurrency Determination



Concurrency Determination

SUBMIT THIS DETERMINATION WITH THE LAND USE PERMIT APPLICATION FOR THE PROJECT.

Date: _____
 Project Name: _____
 Permit Number: _____
 Contact/Applicant Name and Email: _____
 Project Address: _____
 Concurrency Reviewer: _____
 Mobility Units required for proposal: _____

- ☐ This serves as a Concurrency reservation for the proposed project for __ Mobility Units.
- ☐ This project does not require a concurrency reservation.

- Notes:
1. This form must be submitted for all Land Use permit applications regardless of concurrency status.
 2. This reservation expires one year from the date above. A one year extension may be requested if an accompanying Land use permit is in review.
 3. Mobility Units may not be transferred to another property or applicant.

Determination Output Report

Project Name: _____

Project Address: _____

Date: _____

Permit # _____

Prepared by: _____

PMA

1

Proposed	Land Use	Size	Units	Vehicle Trips	Person Trips	Person Trip Types By Mode						Total Mobility Units Generated					
						SOV	HOV2+	Walk	Bike	Transit	Total	SOV	HOV2+	Walk	Bike	Transit	Total
	Downtown Office	225	1,000 sf / GFA	176	383	154	57	38	19	115	383	154	22.8	3.8	3.8	11.5	196
	Strip Retail Plaza (under 40k)	5	1,000 sf / GFA	20	42	14	13	8	2	5	42	14	5.2	0.8	0.4	0.5	21
	Fast Casual Restaurant	5	1,000 sf / GFA	40	118	19	53	27	5	14	118	19	21.2	2.7	1	1.4	45
	Subtotal			236	543	187	123	73	26	134	543	187	49.2	7.3	5.2	13.4	262

Existing	Land Use	Size	Units	Vehicle Trips	Person Trips	Person Trip Types Broken Down						Total Mobility Units Generated					
						SOV	HOV2+	Walk	Bike	Transit	Total	SOV	HOV2+	Walk	Bike	Transit	Total
	Downtown Office	60	1,000 sf / GFA	47	102	41	15	10	5	31	102	41	6	1	1	3.1	52
	Subtotal			47	102	41	15	10	5	31	102	41	6	1	1	3.1	52

Net New

189

441

146

108

63

21

103

441

146

43.2


6.3

4.2

10.3

210

Concurrency Reservation is Required



City of Berkeley

Transportation





Projects in Review

- City will provide conversion to Mobility Unit system
- Transportation reviewer will contact project team

Transportation review team will be available to assist with new applications



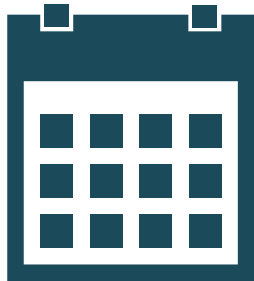


- # MULTIMODAL CONCURRENCY





New Code Timeline



**Implementation Guide Hearing
at Transportation Commission**

September 8

Code Effective

October 17



**Director Approval of
Implementation Guide**

September 16



MOBILITY IMPLEMENTATION PLAN



Transportation

Thanks!

Questions & Discussion

Molly Johnson, PE

majohnson@bellevuewa.gov

Transportation Development Review Manager

Darwin Li, PE, PTOE

dcli@bellevuewa.gov

Senior Transportation Engineer

