



VIRTUAL

MEETING

Boston Region Metropolitan Planning Organization

December 21, 2023



VIRTUAL

MEETING

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Kreyòl Ayisyen (Haitian Creole)

Si yon moun vle genyen enfòmasyon sa yo nan yon lòt lang, tanpri kontakte Espesyalis Boston Region MPO Title VI la nan nimewo 857.702.3700.

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MEETING

Guidelines

1. All participants will join the meeting with muted microphones.
2. Please rename yourself to include your first name, last name and affiliation.
3. After roll call, Board members may mute and unmute themselves. Always remain muted unless actively speaking.
4. To participate in the discussion, please select the “raise hand” function. Find this by clicking either on the “Participants” button at the bottom of the screen, and a window will pop up with a “Raise Hand” button at the bottom, or the “Reactions” button in the toolbar. The Chair will then call on participants.
5. If you are on the phone, you can use *9 to raise your hand.
6. If you have any technical difficulties, please contact Sam Taylor via the chat box, staylor@ctps.org or 857.702.3702.



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Accessibility Statement

This meeting is accessible to people with disabilities. Zoom products are compliant, with exceptions, with the following standards: Web Content Accessibility Guidelines 2.1 Level AA Standards and Revised Section 508 Standards.

If you require any additional accommodations in order to participate fully in this meeting, please contact Sam Taylor, MPO staff, at staylor@ctps.org or 857.702.3702.

December 21, 2023

AGENDA

1. **Introductions**
2. Chair's Report
3. Executive Director's Report
4. Public Comments
5. Committee Chairs' Reports
6. Regional Transportation Advisory Council Report
7. Action Item: November 2, 2023, MPO Meeting Minutes
8. Action Item: FFYs 2024–28 TIP Amendment Three
9. Project Universe for the FFYs 2025–29 TIP
10. Examining Curb Use Changes in the Boston Region
11. Members' Items

Introductions



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Chair's Report



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Executive Director's Report



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Engagement Updates

- Applications for Transportation Improvement Program (TIP) open through December 31, 2023
 - Visit TIP development website for applications and scorecards
 - <https://www.bostonmpo.org/tip-dev>
 - Contact: Ethan Lapointe, elapointe@ctps.org
- Survey soliciting ideas for transportation studies and technical assistance
 - Contact: Srilekha Murthy, smurthy@ctps.org



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Today's Agenda

- One action item:
 - Federal Fiscal Years (FFYs) 2024–28 TIP Amendment Three
- Three presentations
 - FFYs 2025–29 TIP Project Universe
 - Future of the Curb III (Examining Curb Use Changes in the Boston Region)



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Next Meeting

- *Canceled: January 4, 2024*
- **Next Meeting: January 18, 2024, at 10:00 AM**



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Public Comments



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Committee Chairs' Report



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Regional Transportation Advisory Council Report



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Action Item: November 2, 2023, MPO Meeting Minutes

Approval of these meeting minutes



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Action Item: Federal Fiscal Years 2024–28 Transportation Improvement Program (TIP) Amendment Three

Ethan Lapointe, MPO Staff

Presentation, discussion, and vote to release the
FFYs 2024–28 TIP Amendment Three for its
21-day public review period



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FFYs 2024–28 Transportation Improvement Program (TIP) Amendment Three

December 21, 2023

Ethan Lapointe
TIP Manager, MPO Activities

Boston Region Metropolitan Planning Organization

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Today's Presentation

- Background on NewMo
- Recent performance changes



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Resources for Today's Meeting

- Newton request for scope change
- Updated performance figures through FFY 2023
- Recording of December 14th TIP Process, Readiness, and Engagement Committee meeting



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FFY = Federal Fiscal Year

Amendment 3: NewMo Shuttle Scope Change

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Background: What is NewMo?

- Started in FFYs 2021–25 TIP and expansion funded in FFY 2023
 - \$1,617,564 programmed over five years by MPO
- Operates weekdays from 7 AM to 6:30 PM and on weekends from 9 AM to 12 PM
- Similar to a taxi service
- Majority of vehicles are electric with some hybrid
- Targeted 6,000 monthly trips
 - Previously surpassed that figure

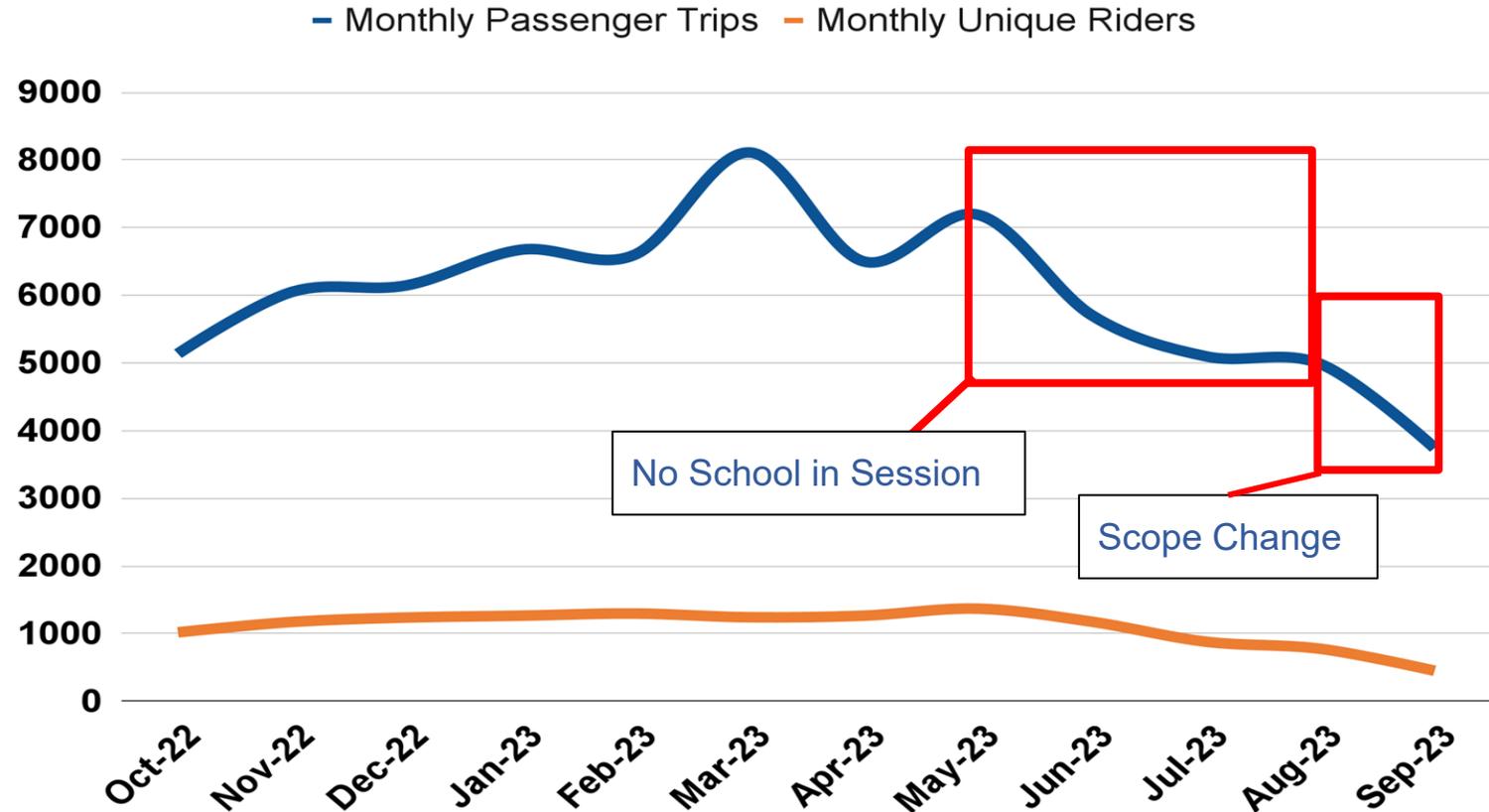


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NewMo Performance in FFY 2023: Ridership

NewMo FFY 2023 Monthly Passenger Trips and Unique Riders

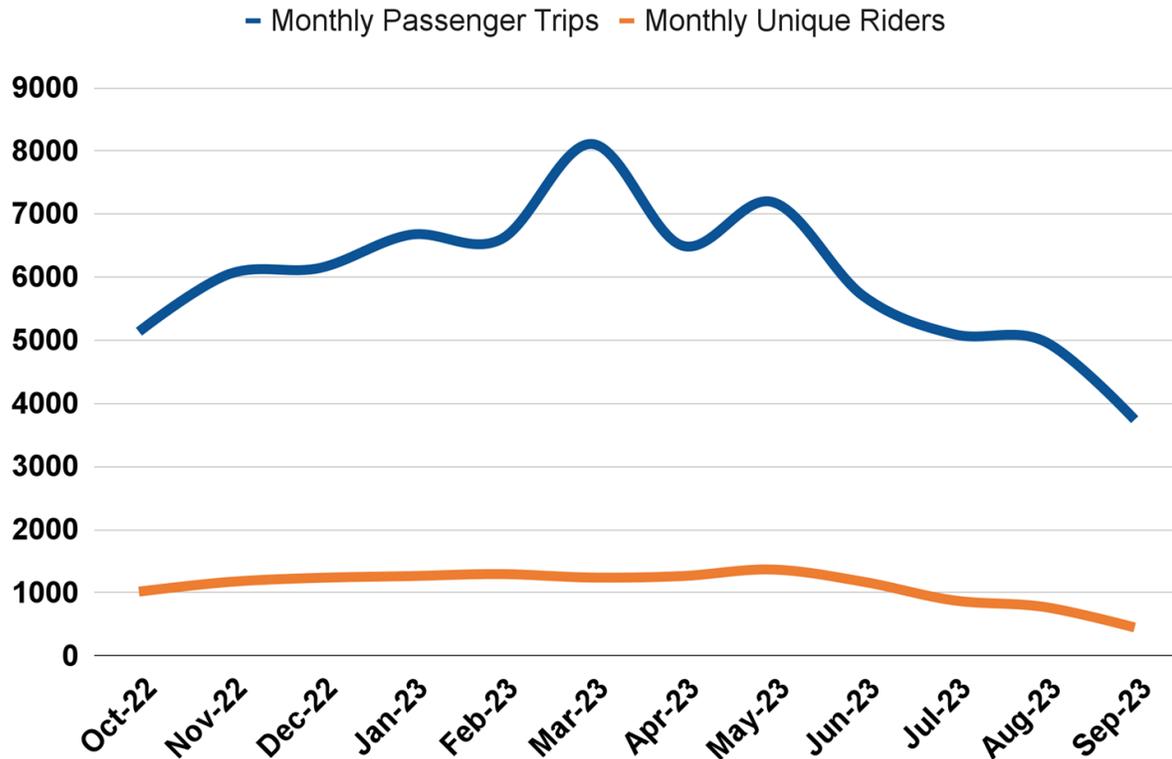


Why the scope change?

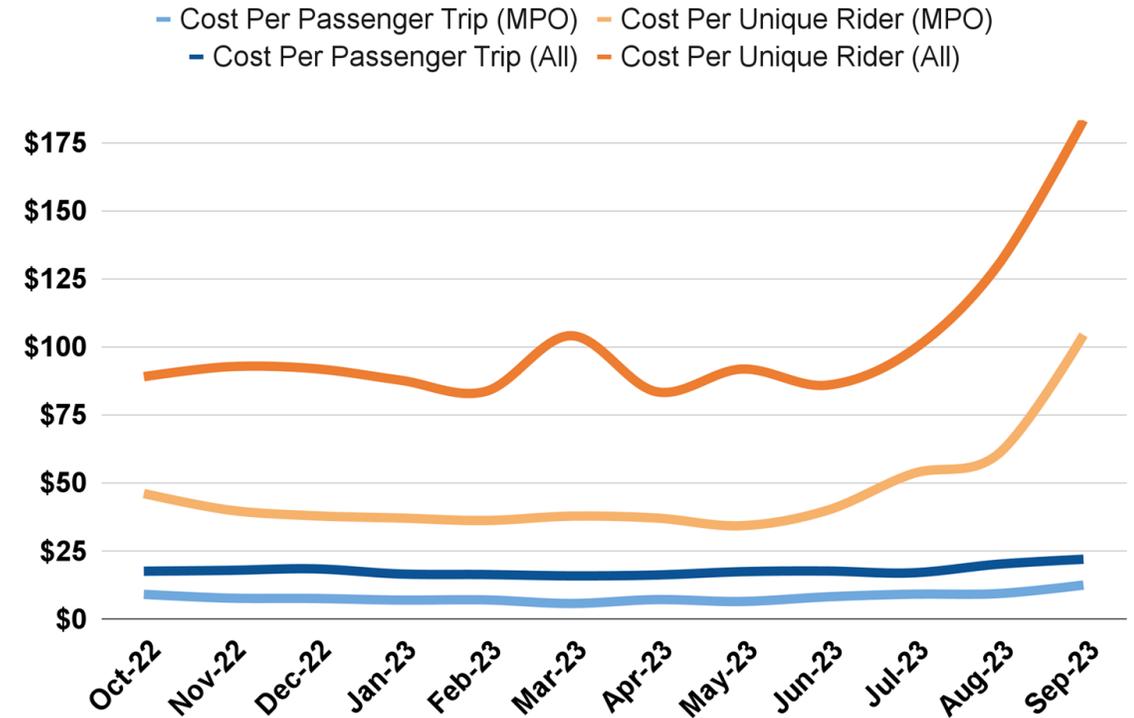
Project Name	FFY 2021	FFY 2022	FFY 2023	FFY 2024	FFY 2025	Total
Newton Microtransit Service Initial	\$ 300,000	\$ 275,000	\$ 152,000	\$ -	\$ -	\$727,000
NewMo Microtransit Service Expansion	\$ -	\$ -	\$ 412,665	\$ 268,246	\$ 209,663	\$890,564
<i>MPO Contributions</i>	\$300,000	\$ 275,000	\$564,665	\$ 268,246	\$ 209,663	\$ 1,617,564
Total Costs		\$1,199,900	\$1,265,860	\$1,094,150	\$1,116,033	

NewMo Performance in FFY 2023: Absence of Economies of Scale

NewMo FFY 2023 Monthly Passenger Trips and Unique Riders



NewMo FFY 2023 Monthly Costs Per Passenger Trip and Unique Riders



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Scope Change

- Focus on seniors and persons with disabilities, no longer all groups as stated in initial application
- Some service expansion, but same hours
- More conservative approach to service in order to ensure longevity
- Recent ridership data shows continued customer satisfaction, but lower ridership and greater costs per passenger trip

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Today's Requested Action

- MPO staff request that the board votes to release Amendment Three for a 21-day public comment period
- Comment period will commence December 22 and conclude January 11, 2024



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Project Universe for the FFYs 2025–29 TIP

Ethan Lapointe, MPO Staff

Presentation and discussion of new projects in the TIP project universe by subregion and investment program



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FFYs 2025–29 Transportation Improvement Program (TIP) Project Universe

December 21, 2023

Ethan Lapointe
TIP Manager, MPO Activities

Boston Region Metropolitan Planning Organization

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Presentation Overview

- Review of the FFYs 2024–28 TIP
- Project development process
- Summary of the FFYs 2025–29 TIP Universe
- Next steps
- Discussion



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Resources for Today's Meeting

- FFYs 2025–29 TIP Universe of Projects Table



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FFY = Federal Fiscal Year.

Review of the FFYs 2024–28 TIP

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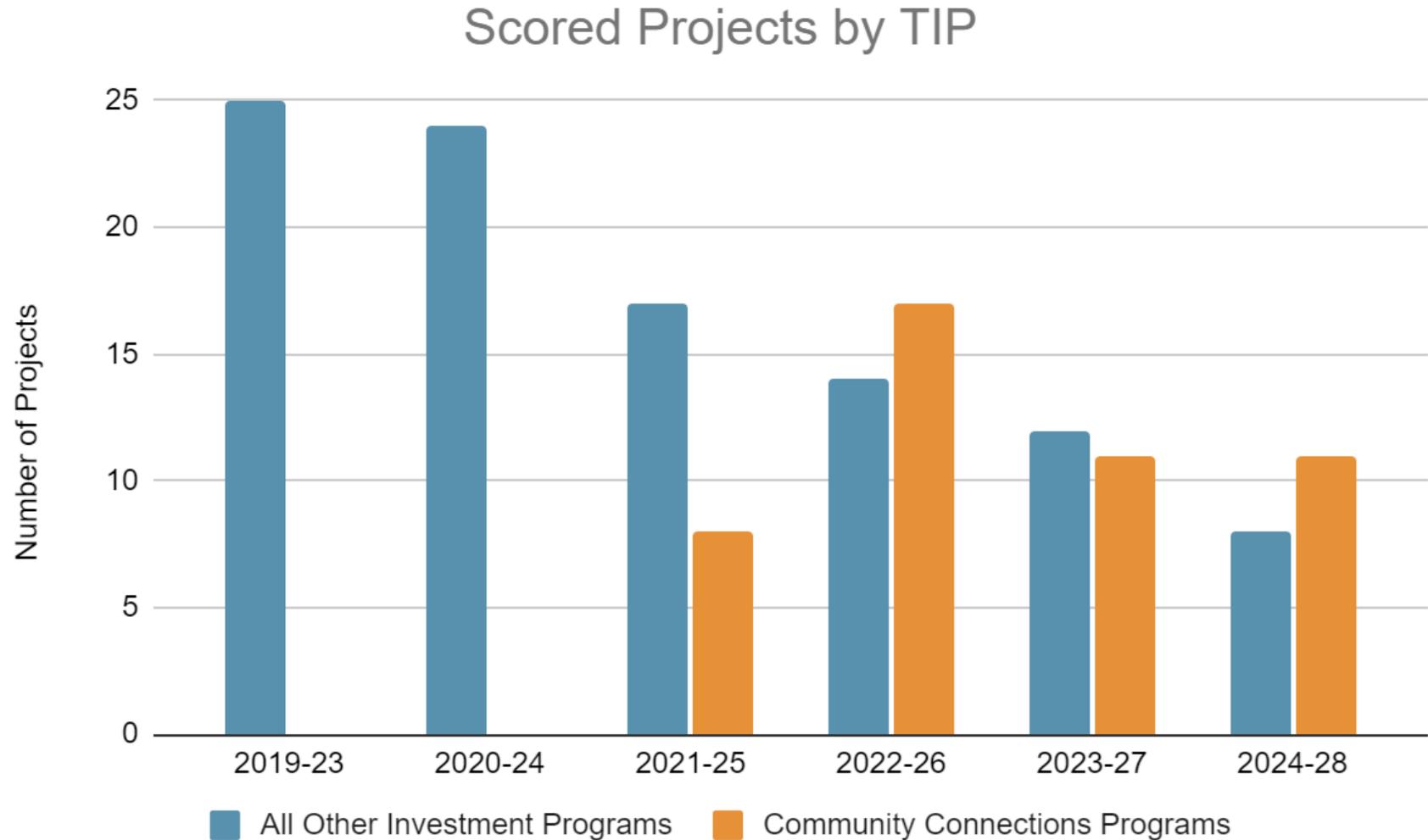
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Review of the FFYs 2024–28 TIP

- \$150.2 million allocated to 21 new projects
 - 10 in the Community Connections program
 - 3 in the Transit Transformation program
- Compared to 23 projects in FFYs 2023–27 TIP and 10 in FFYs 2022–26 TIP
- 58 projects total funded with \$697.5 million in Regional Target funding to program
- Implemented new Bikeshare and Design programs to improve project application pipeline

Projects Scored in Each Year

- Downward trend in applications received
- Smaller dollar value programs increasingly prominent

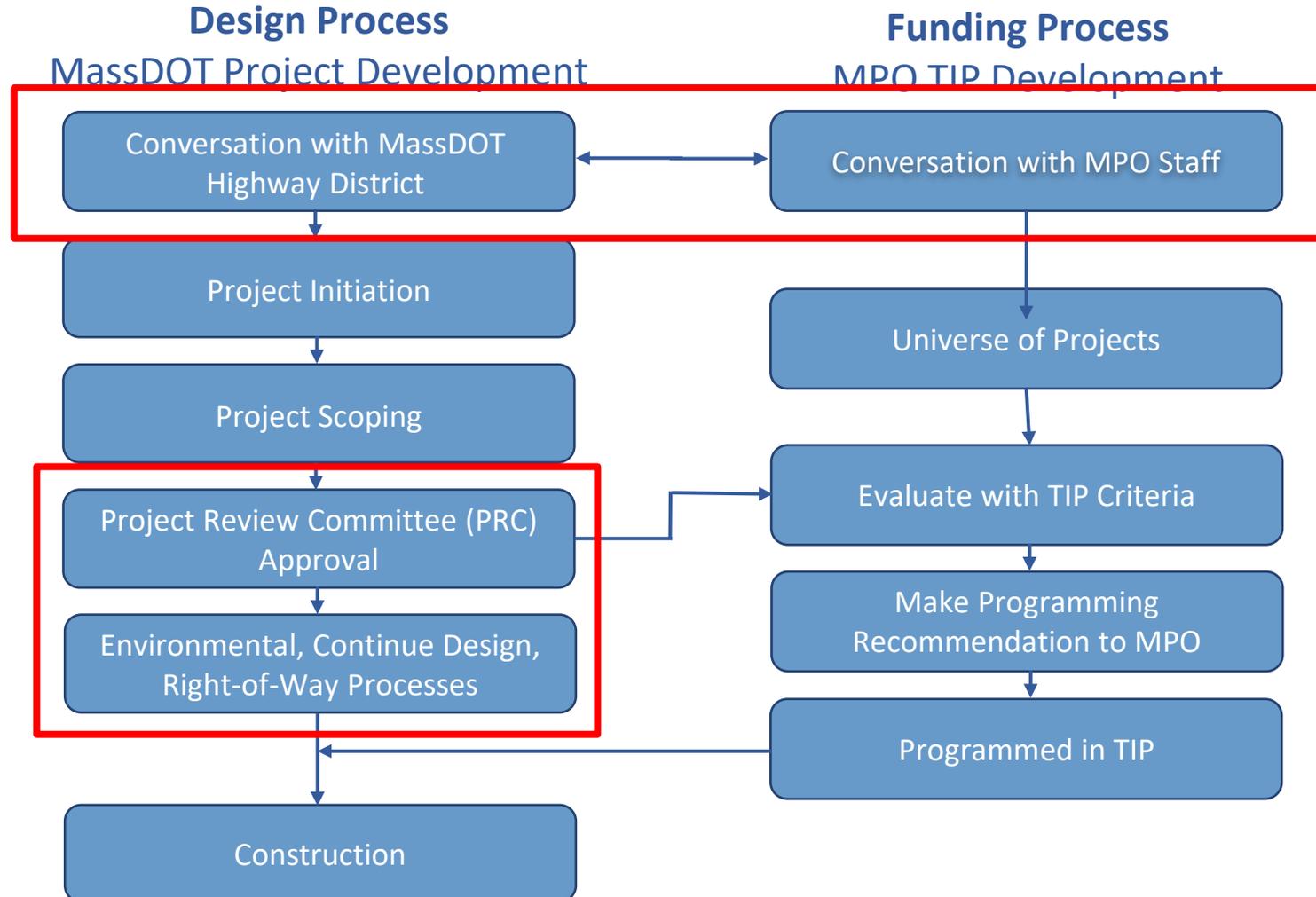


Project Lifecycle

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Project Lifecycle



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Key Thresholds for TIP Funding

- **Initiation/Scoping:** Early stages, often before significant design has taken place
 - Unlocks the Project Design Pilot
- **Project Review Committee Approval:** Still early stage, gives a go-ahead to start working towards federal funding
 - Unlocks ability to apply for construction funds
- **25% Design:** Key design elements and permits are in place or underway, scope is mostly defined
 - Superior candidates for TIP funding versus Project Review Committee approval

Summary of FFYs 2025–29 Universe of Projects

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Creating the TIP Universe

- FFYs 2024–28 universe, minus programmed and deactivated projects
- What is a deactivated project?
- Refine project list
 - Correspondence with municipal TIP contacts
 - Virtual meetings with Metropolitan Area Planning Council's subregional groups
 - Feedback from MassDOT Highway District offices



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FFYs 2025–29 TIP Project Universe

Subregion	Total in Universe	Complete Streets	Intersection Improvements	Bicycle/ Pedestrian	Major Infrastructure	Community Connections
ICC	46	18	8	11	6	3
MAGIC	15	3	2	5	3	2
MWRC	10	3	3	3	1	0
NSPC	10	5	3	1	0	1
NSTF	18	12	2	3	1	0
SSC	7	5	2	0	0	0
SWAP	23	11	7	4	1	0
TRIC	14	9	3	1	1	0
TOTAL	143	66	30	28	13	6

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Notes on TIP Universe

- Working document—this is a snapshot
- Some projects are not yet approved by MassDOT's Project Review Committee
 - Many are initiated or seeking initiation for the Design Pilot
- Most projects will not seek applications this year
- A list of projects seeking funding will be provided in January

Discussion

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Examining Curb Use Changes in the Boston Region

Sophie Fox, MPO Staff

Presentation and discussion of findings from the Future of the Curb III discrete study, funded in the FFY 2022 UPWP



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Examining Curb Use Changes in the Boston Region

Future of the Curb Phase III

Sophie Fox

December 21, 2023

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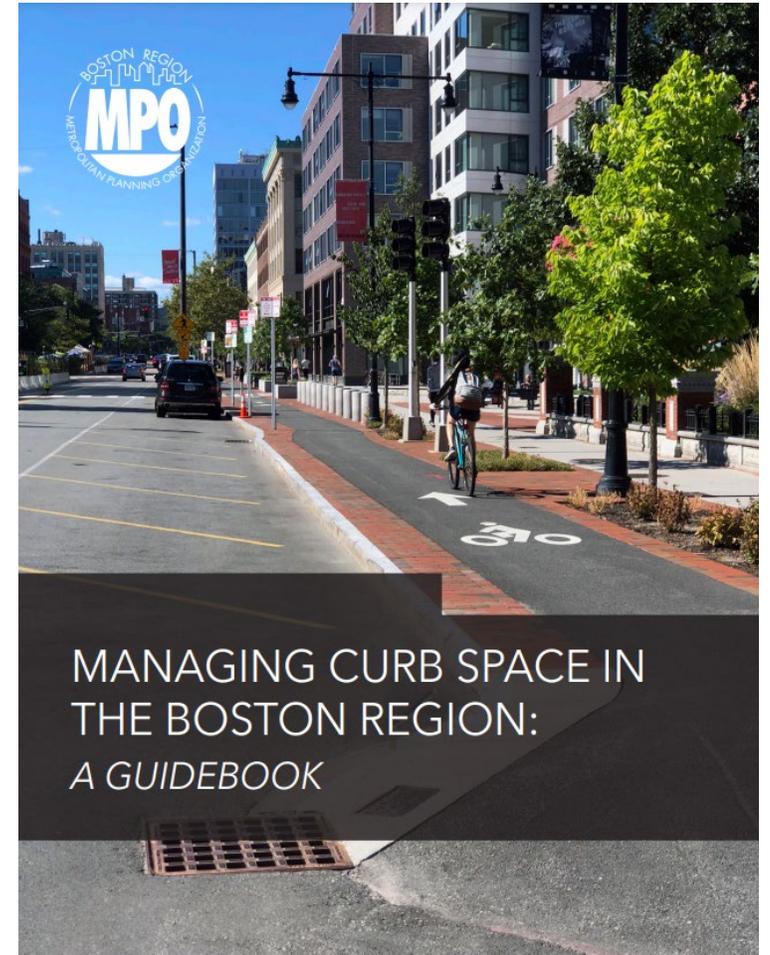
Previous Work

Phase One

- Examples of curb management strategies

Phase Two

- Guidebook of best practices for planners



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Introduction

Objective

- Demonstrate the effectiveness of data collection and analysis strategies
- Provide municipalities with tools and guidance

Case Studies

- Porter Square, Cambridge
- Moody Street, Waltham

MPO Goals

- Access and Connectivity
- Safety
- Clean Air and Healthy Communities

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Case Study 1: Porter Square Safety Improvement Project



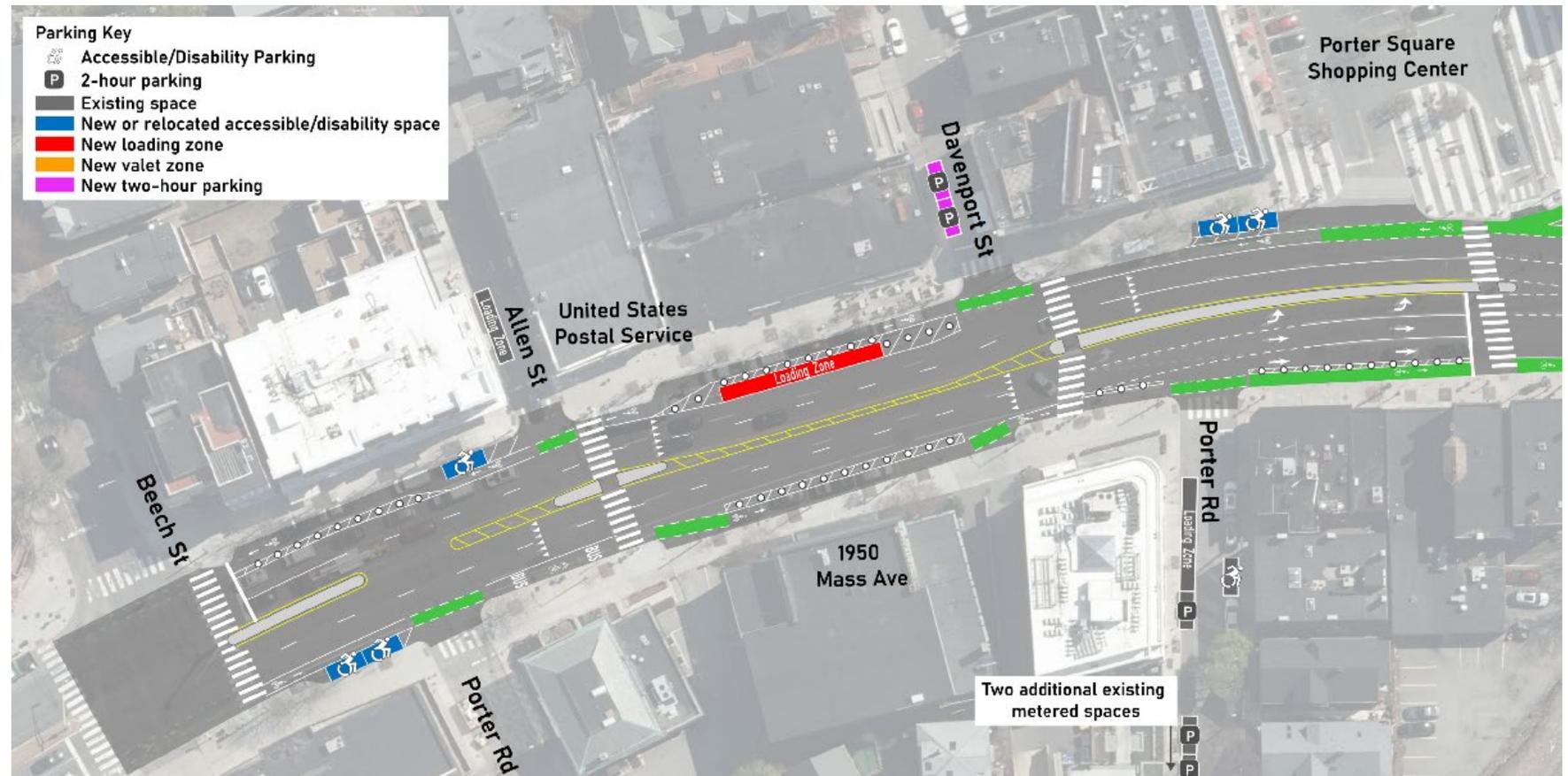
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Porter Square Case Study: Introduction

“achieve a safe street design for people of all ages and abilities”



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Porter Square Case Study: Data Collection Methodology

Time:	6:00 PM			6:15 PM			6:30 PM		
Location:	Last 4 of Plate	Vehicle Type	Blocking Bike Lane?	Last 4 of Plate	Vehicle Type	Blocking Bike Lane?	Last 4 of Plate	Vehicle Type	Blocking Bike Lane?
Begin at the corner of Sugar and Spice Thai, walk 50 ft down Davenport Street to check the no parking zone									
No Parking 1	D960	Passenger Vehicle		D960	Passenger Vehicle		D960	Passenger Vehicle	
No Parking 2	5244	Passenger Vehicle (P)		5244	Passenger Vehicle				
Turn around and head back to Massachusetts Ave, turn right and begin counts									
No Parking 1	—			—					
Loading Zone 1	YH10	Passenger Vehicle		—			ES68	Passenger Vehicle	
2 Hour 1	JA29	Passenger Vehicle		JA29	Passenger Vehicle		JA29	Passenger Vehicle	
2 Hour 2	L870	Passenger Vehicle		L870	Passenger Vehicle				
2 Hour 3	—			—					
2 Hour 4	—			MA22	Passenger Vehicle		MA22	Passenger Vehicle	
Handicap 1	—			—					
Cross Allen Street and turn right on Allen Street to check the loading zone									
Loading Zone 1	—			—					
Loading Zone 2	—			—					
Loading Zone 3	—			—					
Loading Zone 4	—			—					

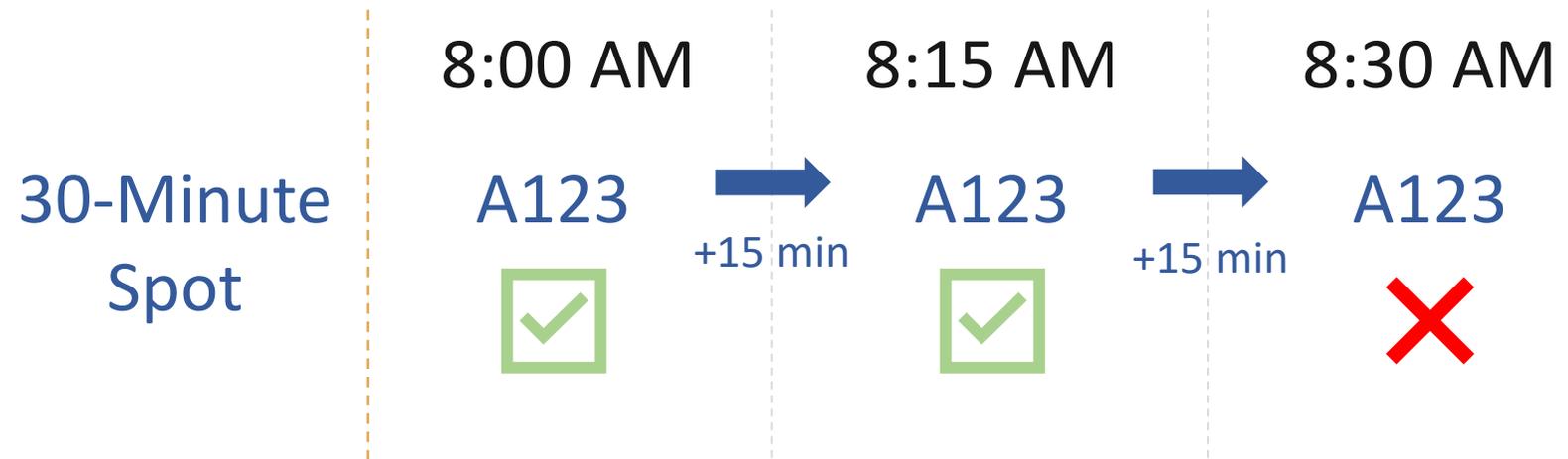
Technical difficulties?
Call Sam Taylor at 857.702.3702 or
email staylor@ctps.org.

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Porter Square Case Study: Assumptions



Other assumptions:

- Shift start/end conditions
- Authorization
- License plates



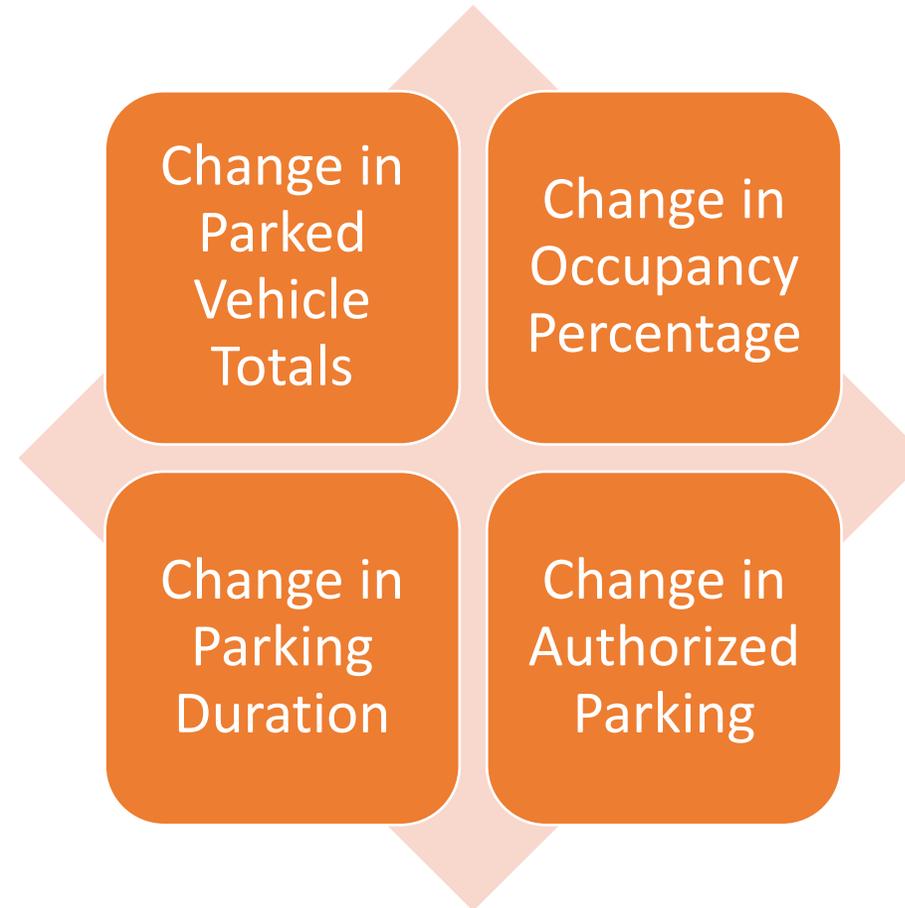
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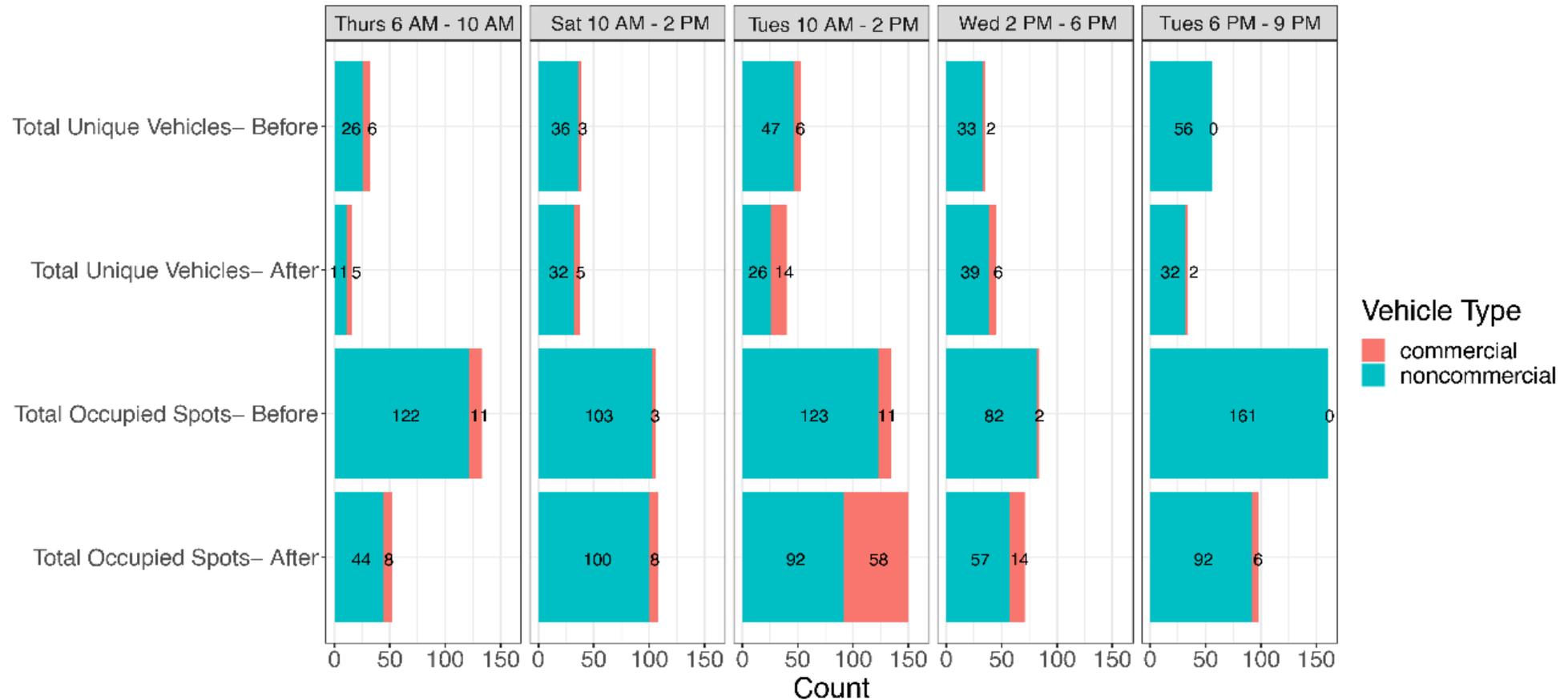
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Porter Square Case Study: Analysis Methods



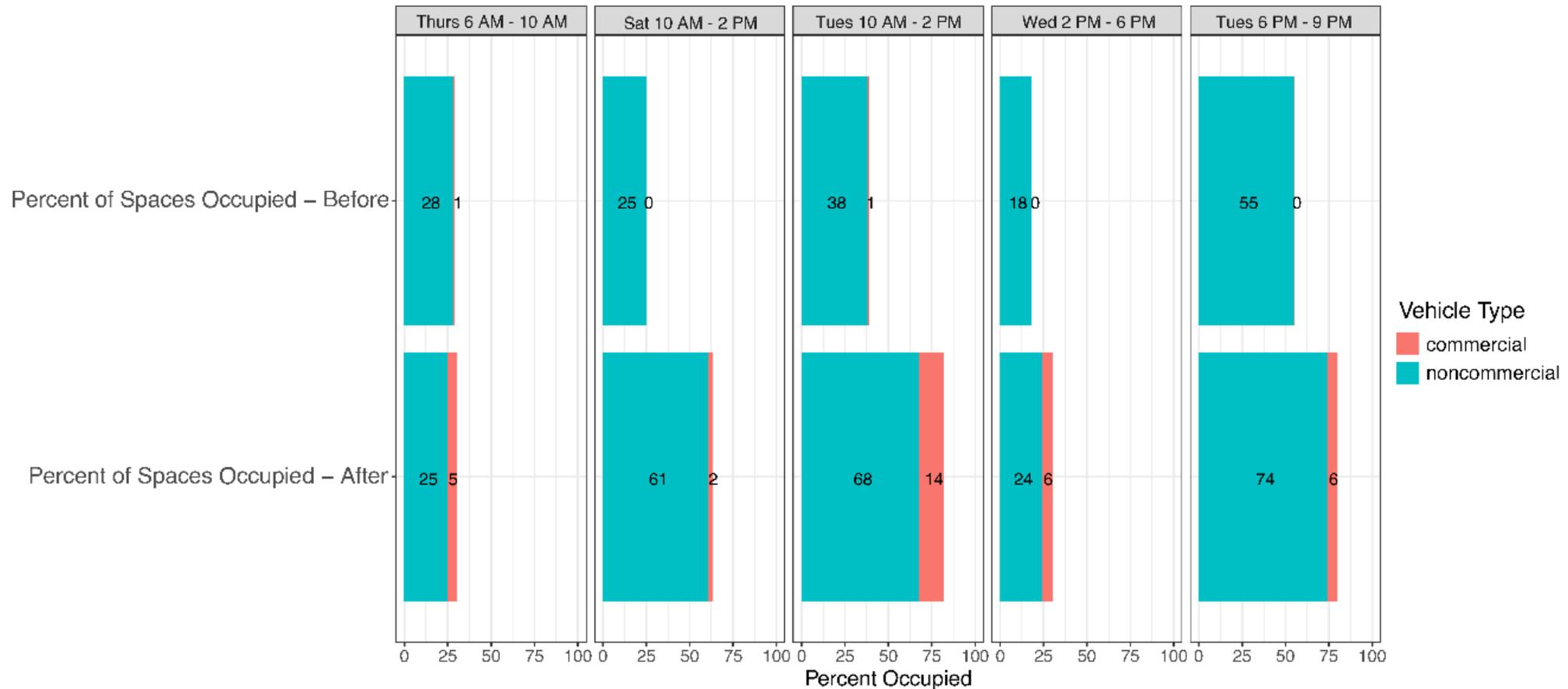
Porter Square Case Study: Example Results 1

Parking Activity Before and After Curb Use Redesign



Porter Square Case Study: Example Results 2

Percent Occupancy of
Two-Hour Parking Spaces
Before and After Curb Use Redesign



Case Study 2: Pedestrianizing Moody Street in Waltham



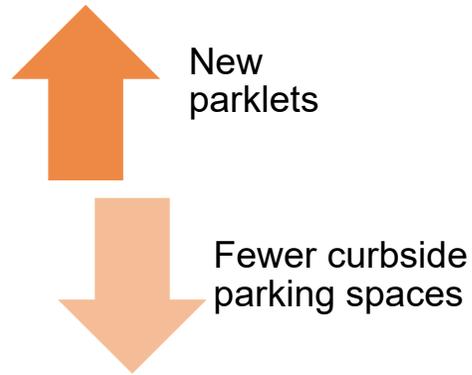
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Moody Street Case Study: Introduction

Parking and Parklets Locations Before and After the Pedestrianization of Moody Street



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Moody Street Case Study: Parking Data Collection and Analysis

Table 8
Demonstration of Simple Occupancy Analysis of Parking Dataset

Block ID	Space ID	Parking Allowed	10:00 AM–11:00 AM	11:00 AM–12:00 PM	12:00 PM–1:00 PM
1	1	1	0	1	1
1	2	1	0	1	0
1	3	1	1	1	0
2	2	1	1	1	1
Totals:		4 Spaces	2 Vehicles	4 Vehicles	2 Vehicles
Utilization:		N/A	50 %	100 %	50 %

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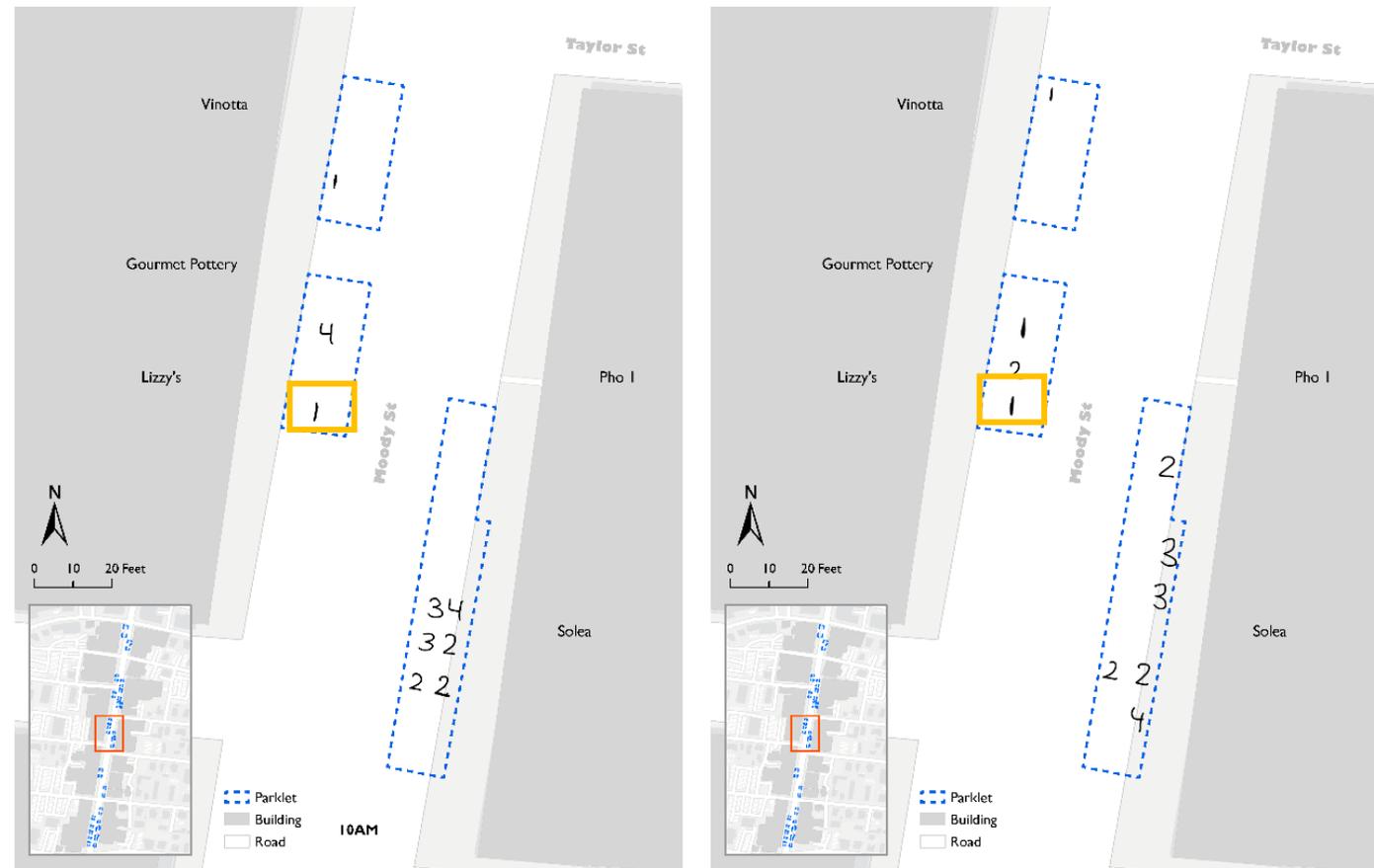
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Moody Street Case Study: Parklet Data Collection and Analysis

Example of Data Collection Maps of Parklet Activity



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Moody Street Case Study: Curb Space Usage Per Hour

$$\begin{array}{r} 50 \quad \text{Car Icon} \quad \times 1.67 = 83.5 \\ \quad \text{Person Icon} \quad + 83.5 = 133.5 \end{array}$$

The diagram illustrates the calculation of total curb space usage per hour. It starts with 50 cars (represented by a car icon) multiplied by a factor of 1.67, resulting in 83.5. This value is then added to 50 people (represented by a person icon sitting at a desk), resulting in a total of 133.5 units of curb space usage per hour.

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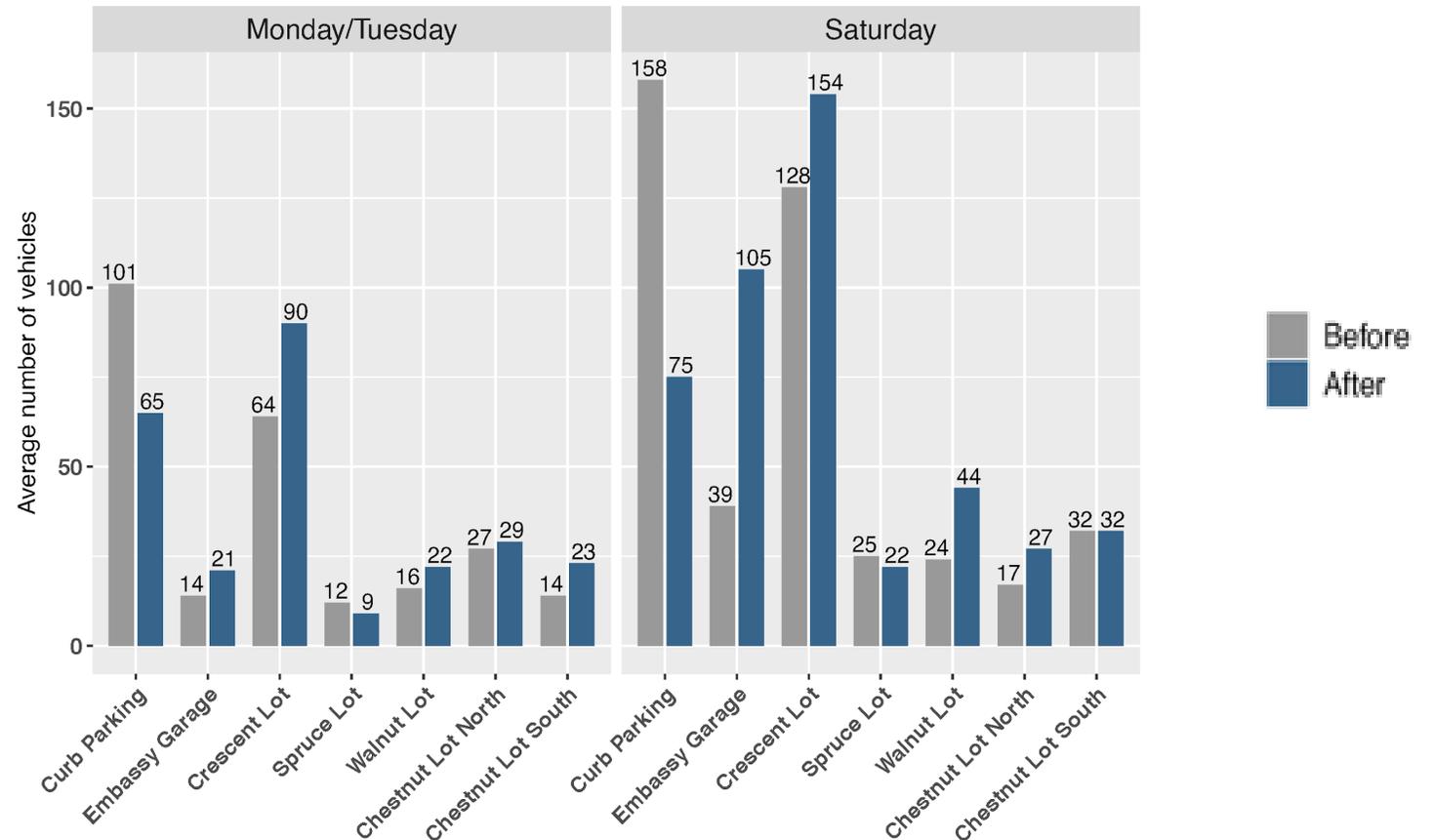
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Moody Street Case Study : Example Results 1

Average Number of Vehicles in Study Area by Location and Day



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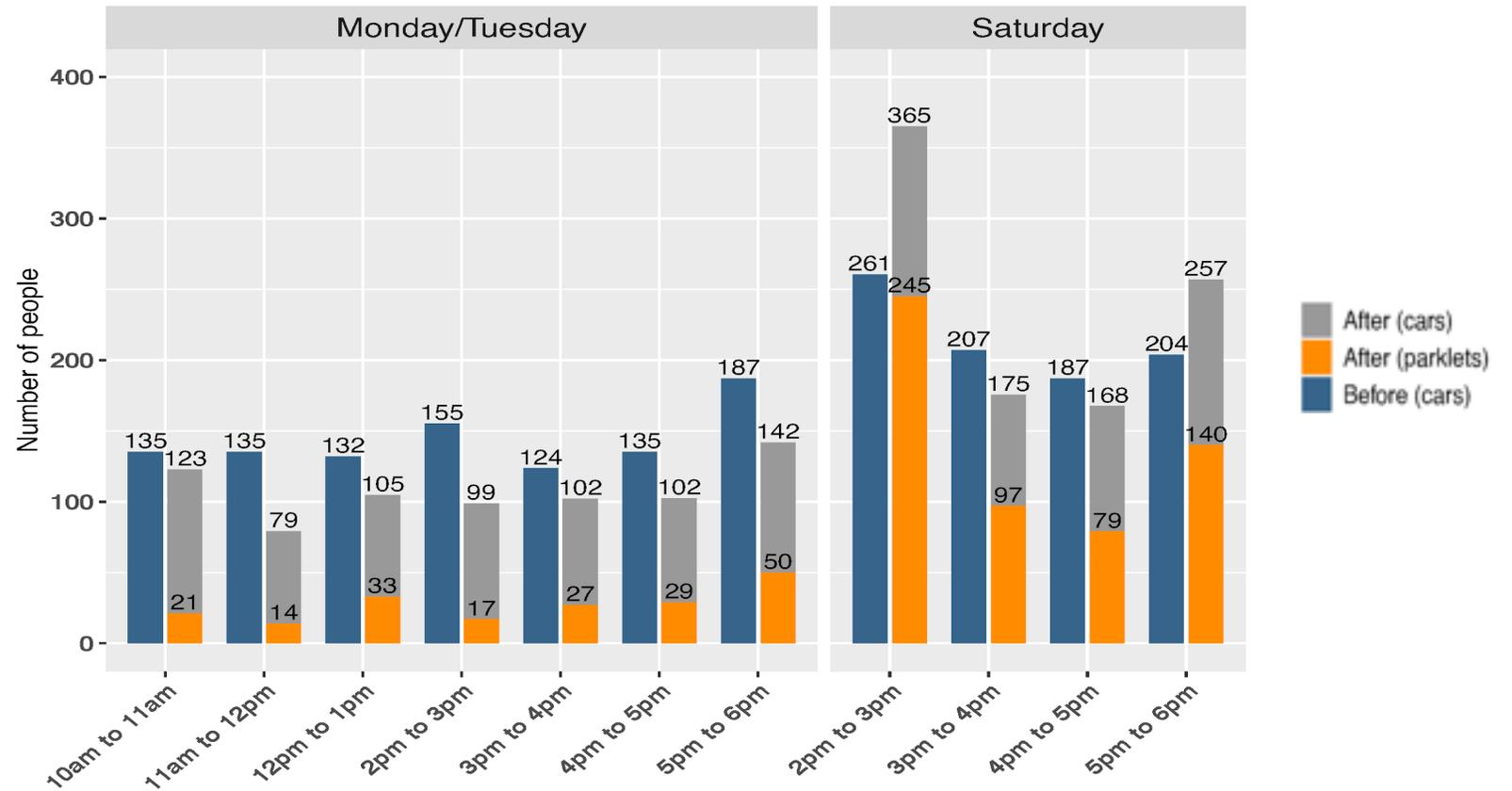
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Moody Street Case Study: Example Results 2

Number of Unique People Using Curb Space in the Moody Street Study Area by Time and Day



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Recommendations for Planners

Representative Samples and Context

Resource and Time Management

Consider the Wider Study Area

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Questions?

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Members' Items

Reports and notices by MPO members, including regional concerns and local community issues



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