

DOCKLESS MOBILITY PROGRAM BRIEFING

**AUSTIN CITY COUNCIL
WORKSESSION**

**SEPTEMBER 18
2018**

BRIEFING TOPICS

1. Current Program Status
2. Mobility as a Service
3. Capturing Short Trips
4. Use Statistics
5. Safety Statistics
6. Three-Part Management Model
7. Citywide Collaboration
8. Next Steps: Rules Update
9. Broader Policy Landscape
10. Discussion/Questions

CURRENT PROGRAM STATUS

7

Licensed
Operators



3,271

Units Deployed

4,371



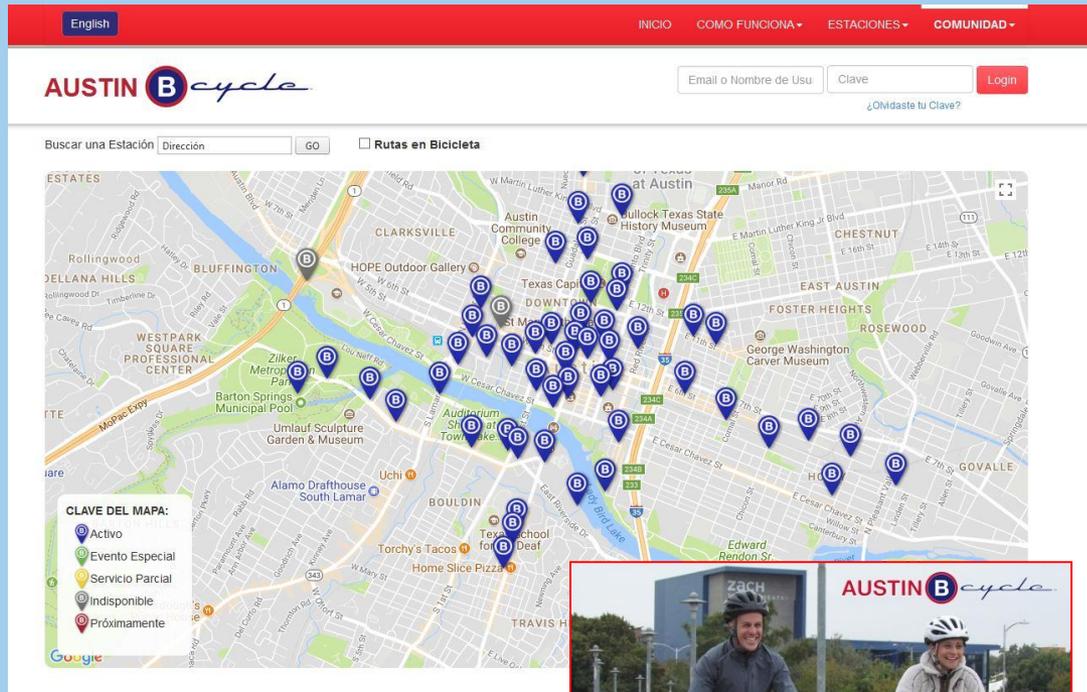
1,100

33 mi²

Service
Area*

*Initial licenses are able to serve the entire City of Austin jurisdiction. Thirty-three square miles assumes initial licenses deploy mainly in the downtown Austin Project Coordination Zone (DAPCZ).

AUSTIN B-CYCLE SYSTEM



5 years old

650 bikes

76 stations

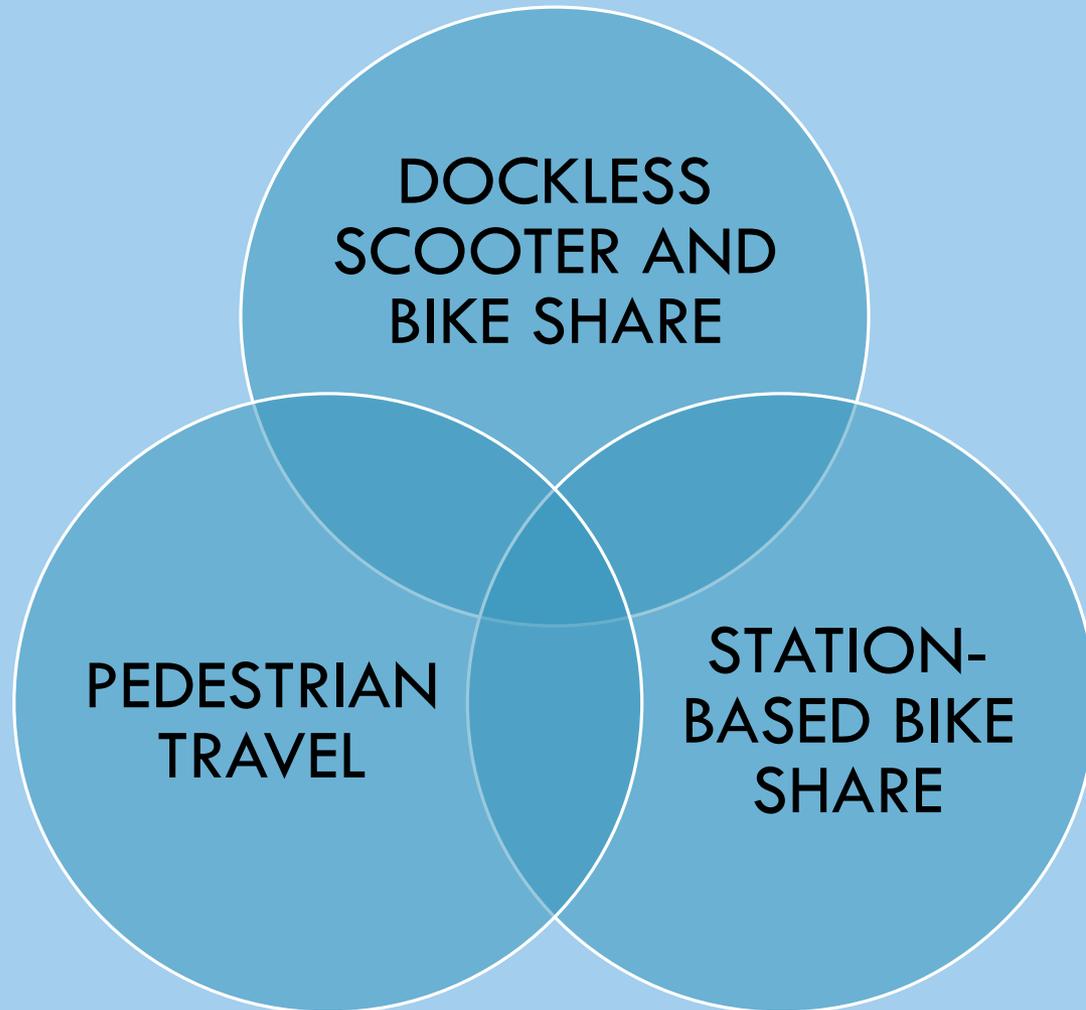
1 million+ trips

Assets owned by City of Austin

System operated under a contract with Bike Share of Austin, a local non-profit



SHARED ACTIVE TRANSPORTATION



MOBILITY AS A SERVICE

Car/Van/Micro-Mobility



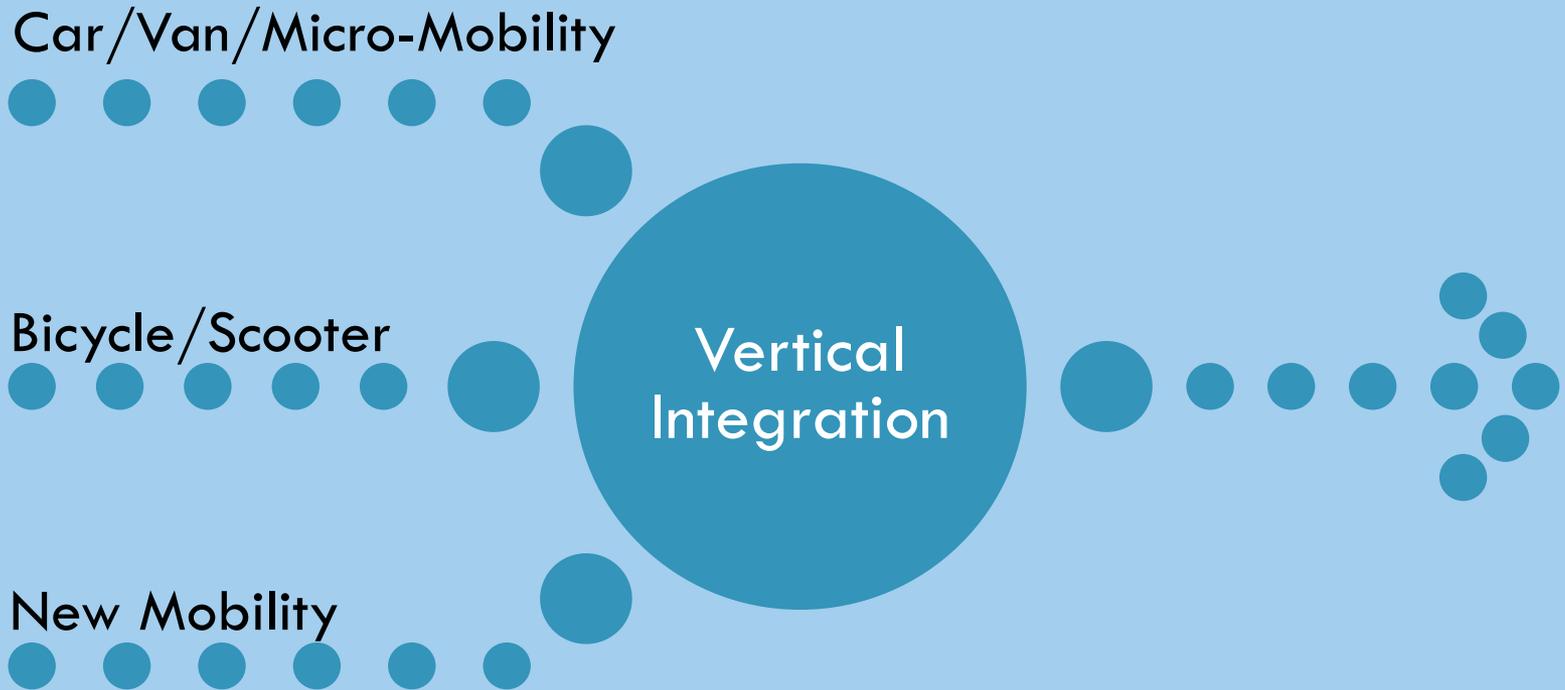
Bicycle/Scooter



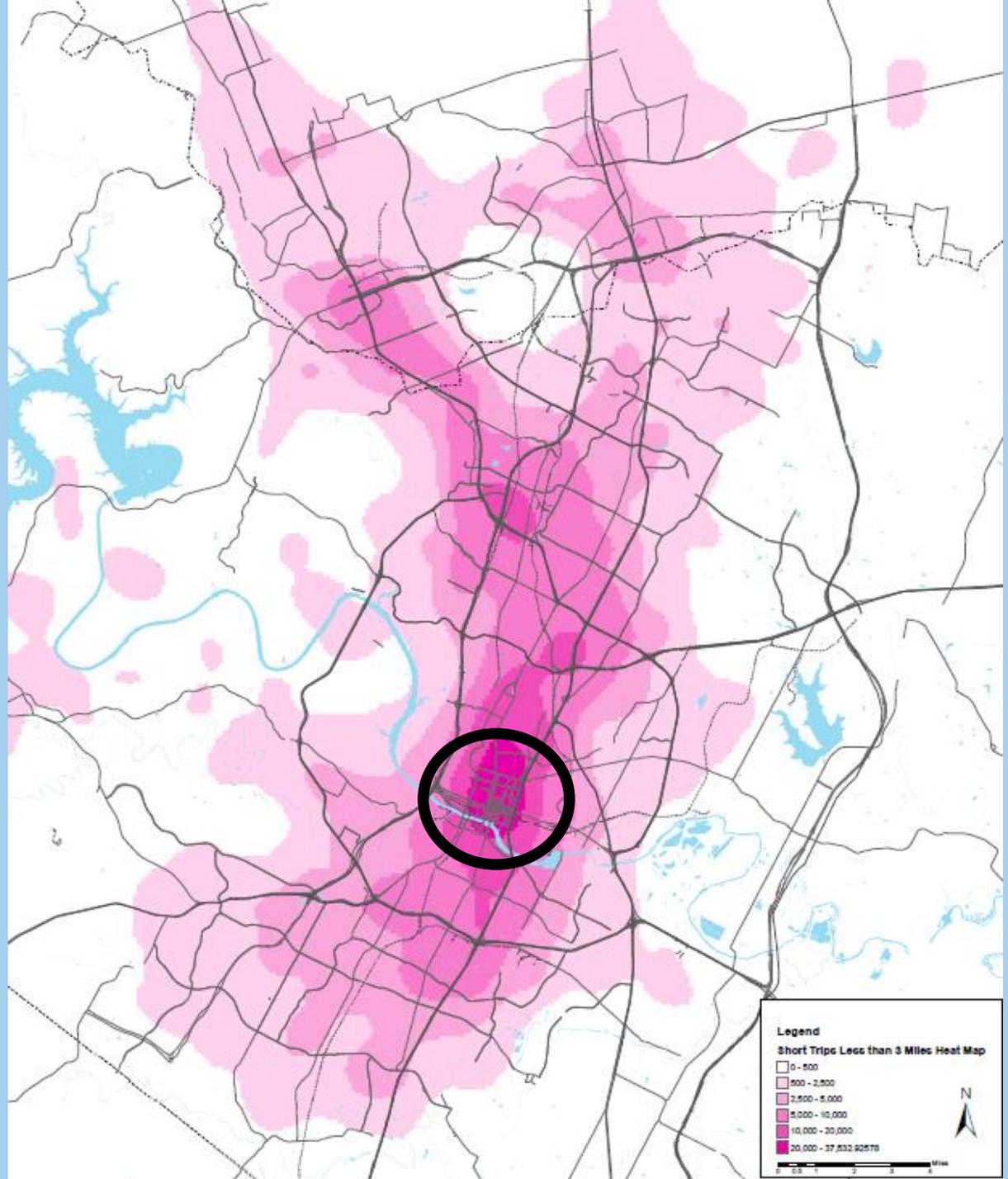
New Mobility



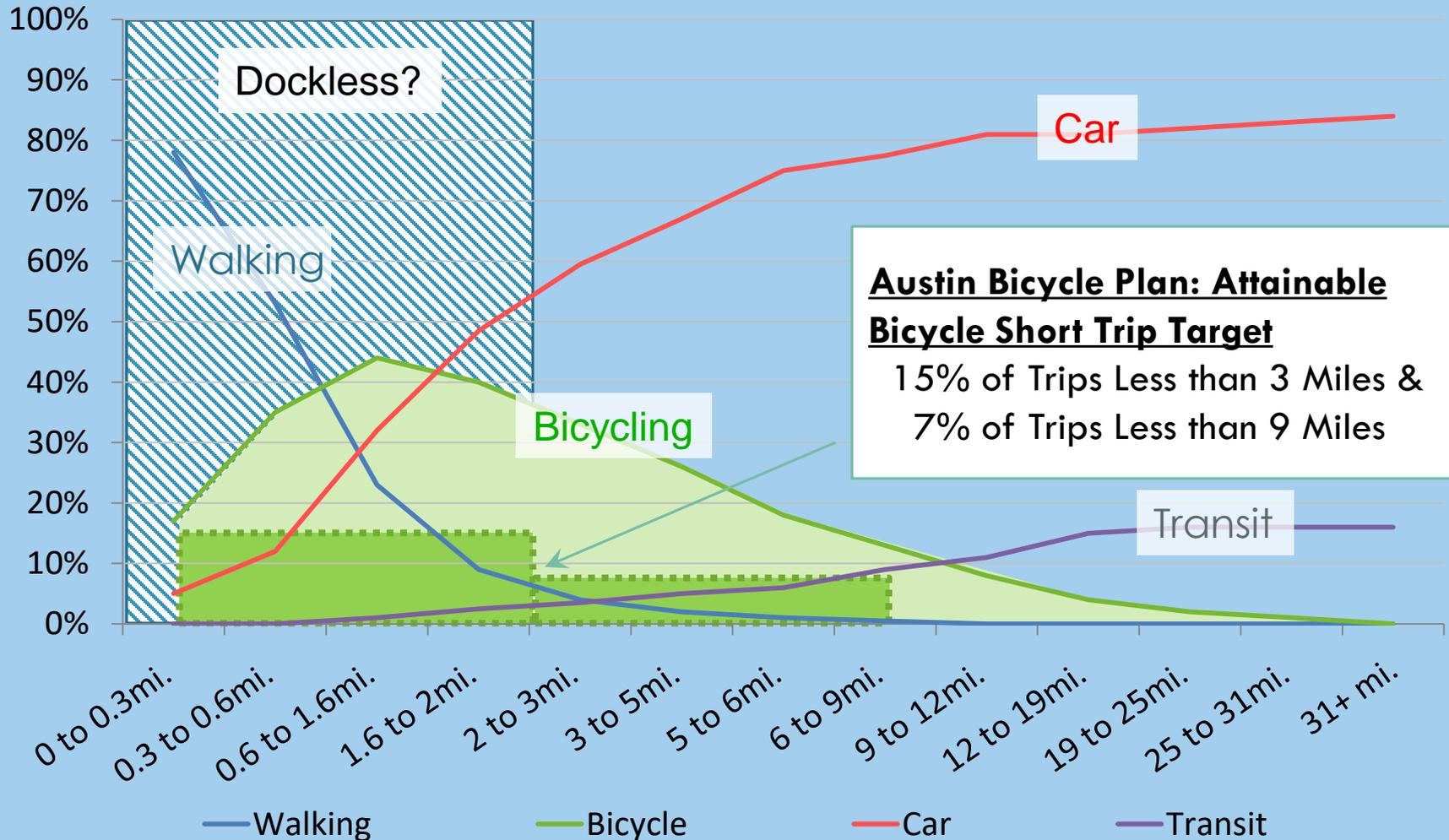
Vertical
Integration



HEAT MAP DIAGRAM OF SHORT CAR TRIPS (0-3 MILE)



CAPTURING SHORT TRIPS

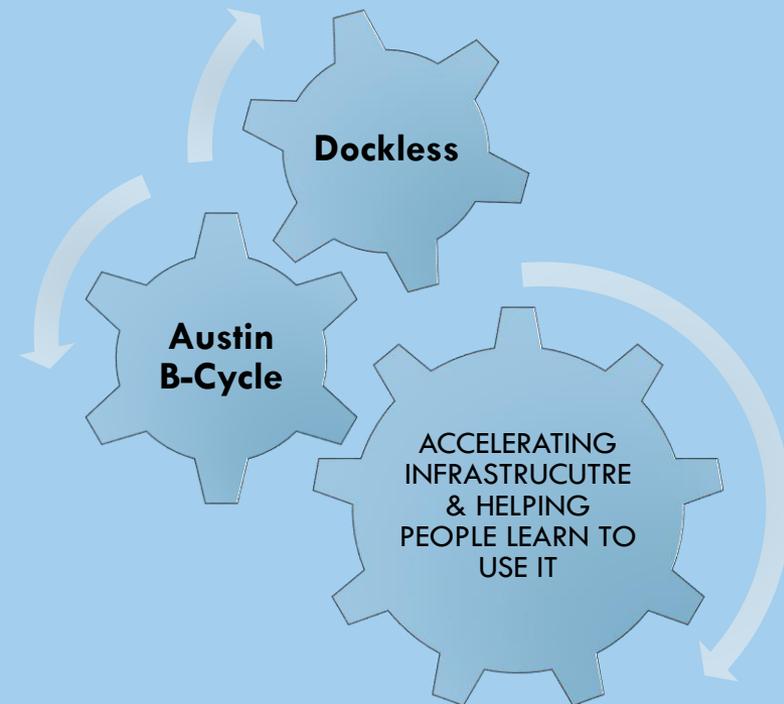


Source: RWS/AVV 2005 /MON 2005

EXPANSION OF SHARED ACTIVE TRANSPORTATION

➤ **Strategy:** *Expand safe access to active transportation for short trips (in service to a more balanced system overall) by leveraging market driven dockless solutions with a successful station-based service.*

- Continue Station Expansion
 - ✓ 13 NEW Stations in August
- Enforcement & Education
 - ✓ Street Team Enforcement Operations
 - ✓ Transportation Demand Management
- Optimize Dockless Mobility
 - ✓ Rules Update
 - ✓ Accelerate Parking Solutions
 - ✓ Understand crash types and causes
- Accelerate Network Completion
 - ✓ 2016 Bond and other Capital Improvement Project delivery



JULY DOCKLESS MOBILITY RIDERSHIP NUMBERS

| Device Type | Total number of trips: | Total distance ridden (miles): | Average trip time (minutes): | Average trip length (miles): | Total number of devices in service: |
|-------------|------------------------|--------------------------------|------------------------------|------------------------------|-------------------------------------|
| Scooter | 129,200 | 155,400 | 16.1 | 1.29 | 1,700 |
| Bicycle | 8,400 | 44,800 | 19.5 | 1.81 | 600 |
| (All Types) | 137,600 | 200,200 | 17.8 | 1.55 | 2,300 |

(Figures are for trips taken between July 1 – July 31, 2018, rounded to the nearest 100.)

SCOOTER SAFETY: EMS RESPONSE

AUSTIN PUBLIC HEALTH ANALYSIS:

Between *May 7* and *September 8, 2018* AUSTIN EMERGENCY MEDICAL SERVICES (EMS) responded to **28 crashes** involving dockless scooters.

This is approximately 3 crashes every 2 weeks.

ALL CRASHES* SINCE PROGRAM INCEPTION (MAY 7 - SEP. 6 2018)

| | Fatal | Injury | Property Damage Only | Total |
|---------------|-----------|--------------|----------------------|--------------|
| Motor Vehicle | 8 | 1,945 | 2,439 | 4,392 |
| Motorcycle | 5 | 105 | 9 | 119 |
| Pedestrian | 12 | 91 | 6 | 109 |
| Bicycle | 0 | 60 | 8 | 68 |
| Scooter | 0* | 28* | Unknown | 28* |
| Total | 25 | 2,201 | 2,462 | 4,688 |

Notes:

- The statistics are preliminary and subject to change. (2018 crash records will be validated in Spring/Summer of 2019)
- Data extraction date: 9/11/2018
- Unless otherwise indicated, Data Source: Crash Record Information System (CRIS) by TxDOT
- *Scooter injury data source: Austin Emergency Medical Services and analyzed by Austin Public Health. Scooter crash data is not currently tracked in the TxDOT CRIS system.

COMMUNITY SURVEY FEEDBACK: USE CHARACTERISTICS (N=9,560)

- ✓ ~50/50 favorability, on average
- ✓ 65% of respondents have tried or would like to try dockless mobility
- ✓ Work and leisure trips are the most frequent type taken (~30% of trips)
- ✓ Two-thirds feel that dockless mobility has made it easier and faster to get around
- ✓ Two-thirds agree that scooters are often parked in their way
- ✓ People prefer to ride in protected bike lanes and on urban trails
- ✓ People would be more likely to use dockless mobility if there was a connected network
- ✓ Most respondents drive as their primary mode, followed by walking

FEEDBACK THROUGH 3-1-1: ISSUES & CONCERNS

- ✓ Concerns with sidewalk obstructions
- ✓ Concerns with speed
- ✓ Concerns with devices being dropped off without permission
- ✓ Questions about the program and rules

| | Council Districts | | | | | | | | | | | Total |
|-------|-------------------|---|----|---|----|---|---|----|-----|----|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | blank | |
| Total | 31 | 1 | 20 | 3 | 39 | 0 | 4 | 29 | 284 | 4 | 2 | 417 |

THREE-PART MANAGEMENT MODEL

ATD DIVISIONS:

**PARKING
ENFORCEMENT**

**MOBILITY SERVICES
DIVISION**

**ACTIVE
TRANSPORTATION**

**PUBLIC INFORMATION
OFFICE**

DATA MANAGEMENT

**3-PART
MANAGEMENT
MODEL
ACROSS 5
DIVISIONS**



**LICENSURE &
REGULATION**

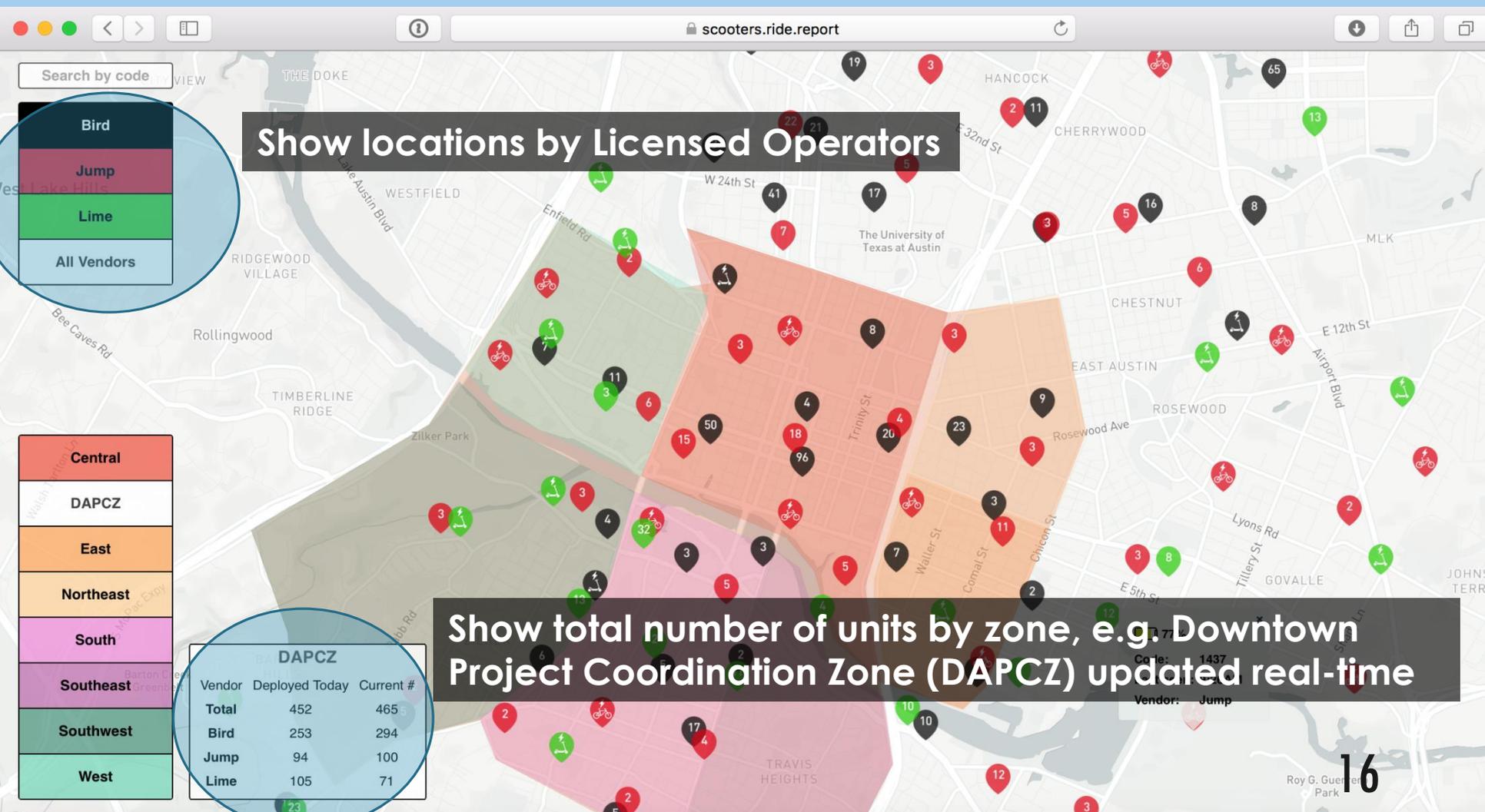


**PARKING &
ACCESS**



**EDUCATION &
ENFORCEMENT**

COMPLIANCE DASHBOARD



Show locations by Licensed Operators

Show total number of units by zone, e.g. Downtown Project Coordination Zone (DAPCZ) updated real-time

| DAPCZ | | | |
|--------------|----------------|-----------|--|
| Vendor | Deployed Today | Current # | |
| Total | 452 | 465 | |
| Bird | 253 | 294 | |
| Jump | 94 | 100 | |
| Lime | 105 | 71 | |

CITYWIDE COLLABORATION

Safety, Enforcement, Accessibility & Education

- Parks and Recreation Department
- Public Works Department
- Austin 3-1-1
- Austin Public Health Department
- Austin Police Department
- Austin Fire Department
- Emergency Medical Services
- Capital Metro

RULE ADOPTION PROCESS

Pursuant to Chapter 1-2

Mid-September 2018 – Post notice of proposed Final Rule;
31-day public comment period begins

October 6th, 2018 – Mobility Transformation Advisory Council
briefing

October 11th, 2018 – Mobility Committee of Council briefing

November 2018 – 30-day appeals process begins

Early December 2018 – 30-day appeals process closes

Early January 2019 – Deadline to make a decision on
appeals

BROADER POLICY LANDSCAPE

COMPLETE STREET DESIGN

SPEED & RIDING LOCATION
MANAGEMENT

INVESTMENTS IN
INFRASTRUCTURE

DISCUSSION & QUESTIONS

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