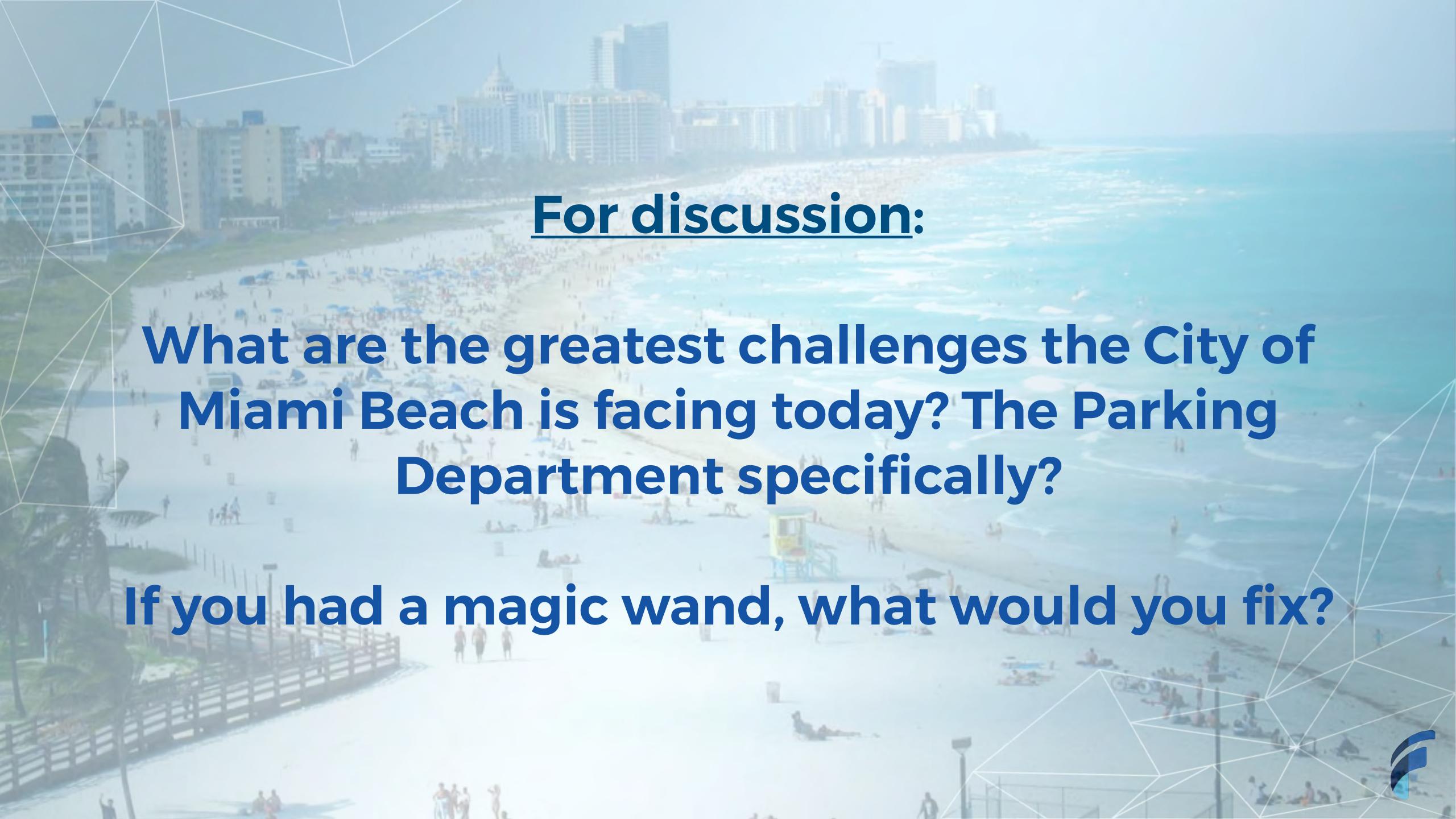




TODAY'S AGENDA

- Miami Beach context
- 2. curbFlow's Solutions
- 3. Next Steps



Some of the challenges curbFlow is solving: <u>SUPER</u>

Safety 1 Illegal and double parking result in unsafe behavior

Utilization & Productivity

Curbs and other city assets are underutilized or used for unproductive purposes (e.g., private vehicle storage), and cities lack the data to make informed changes

Emissions

Curb shortages and congestion are causing unnecessary emissions from vehicles circling looking for space

Revenue 4 Cities are mispricing the curb and other city assets

curbFlow's solution: Digital Flow Management

Optimized Vehicle Flow Management



Optimized <u>Pedestrian</u> and <u>Micromobility</u> Flow Management



Reduced reliance on physical infrastructure (e.g. meter-less payment, gate-less enforcement, digital permitting)



Informed planning and decision making using data & insights



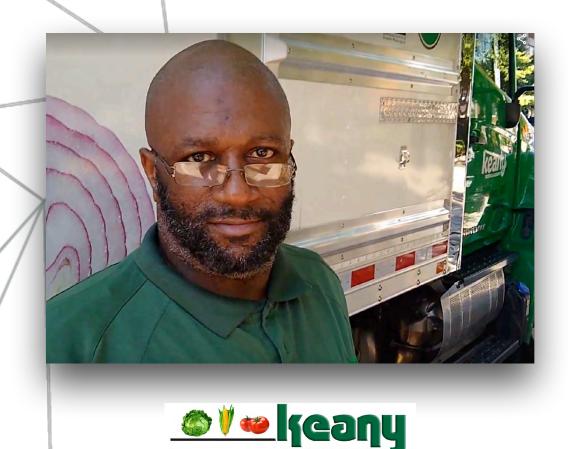


Our approach to Digital Flow Management

curbFlow's Digital Flow curbFlow's 'Secret Sauce' **Management** curbVision Digitized Loading Zones **PUDO** Enforcement **Activity Index Automated Analytics** Relationships

curbFlow has relationships with >1,000 operators, from small businesses to the nation's largest freight, parcel, and delivery companies

A sample of key partners:















Extensive local //mom relationships







We collect millions of proprietary data points from operator partners to create our Pickup/Drop-off (PUDO) Activity Index

Recent Operator Historical Data in City







Parcel

Freight

ODD



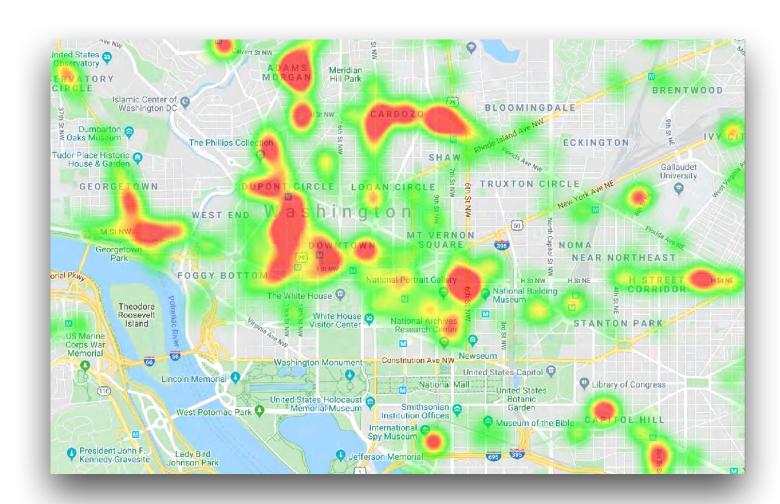
Data Provided



- 1. Location
- 2. Frequency / Day
- 3. Day of Week / Time of Day
- 4. Avg. Dwell Time at Curb



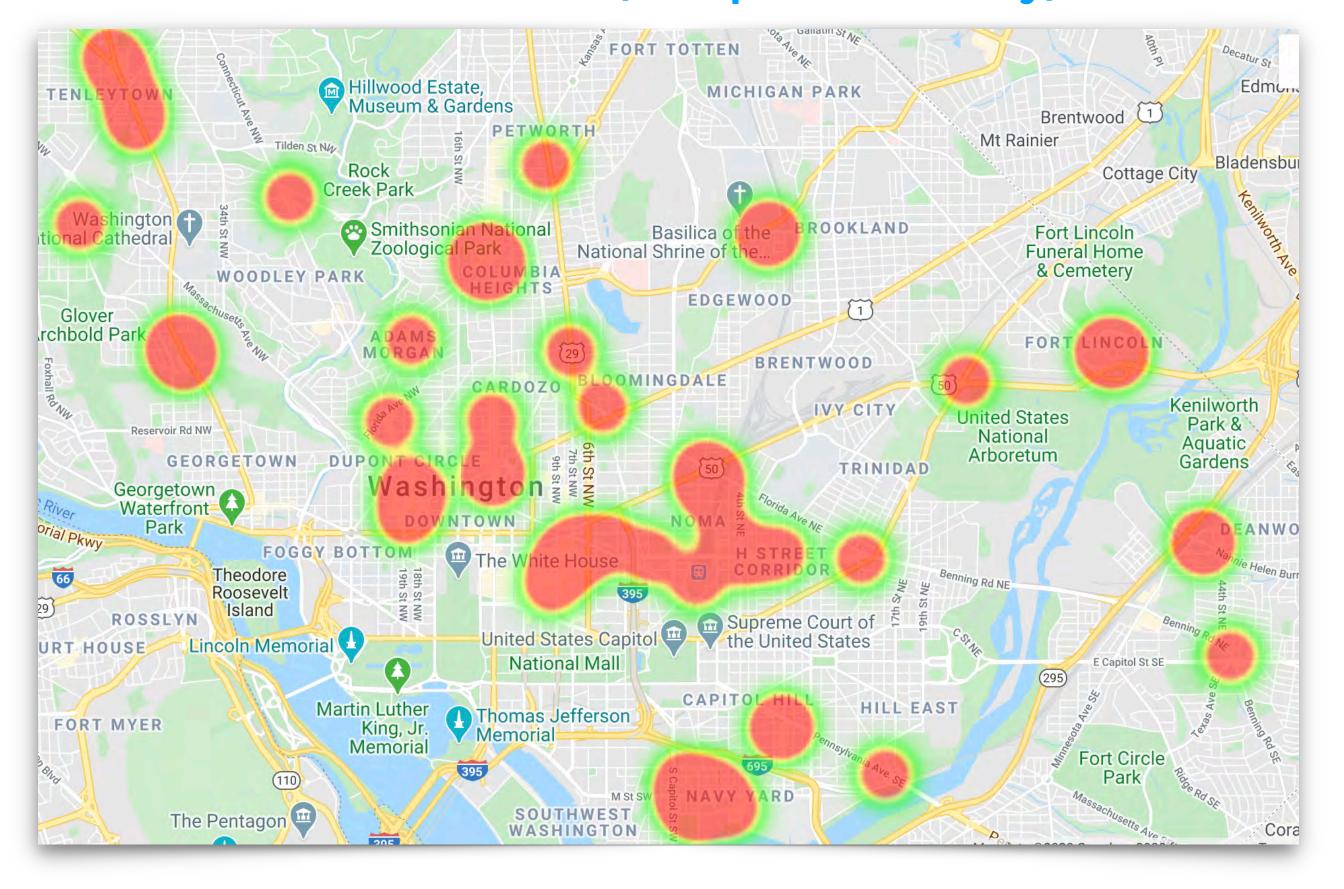
"PUDO Activity Index"



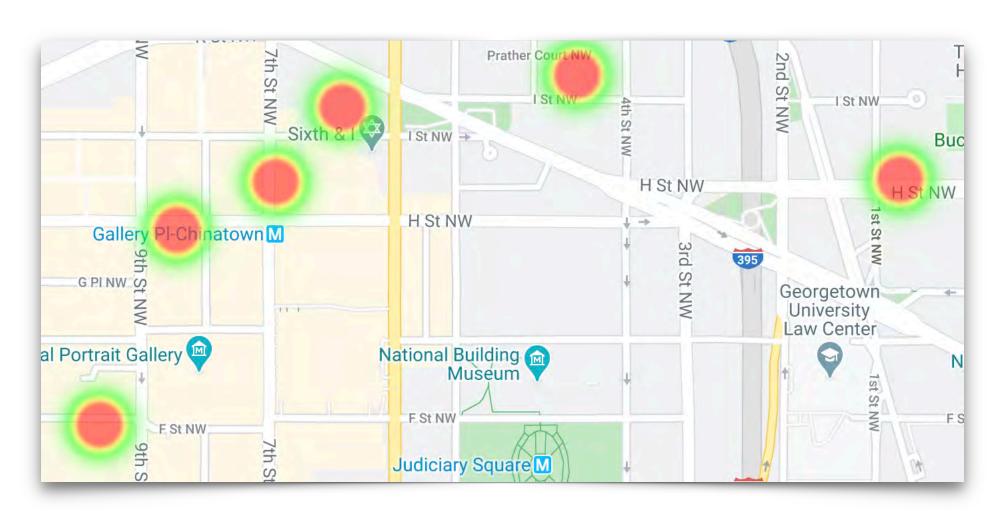


Example application: in the first week of the COVID-19 pandemic, 65 addresses in Washington DC accounted for >16,000 restaurant orders

Restaurant Orders During Covid-19 Outbreak Mar 11 - Mar 18 (one platform only)

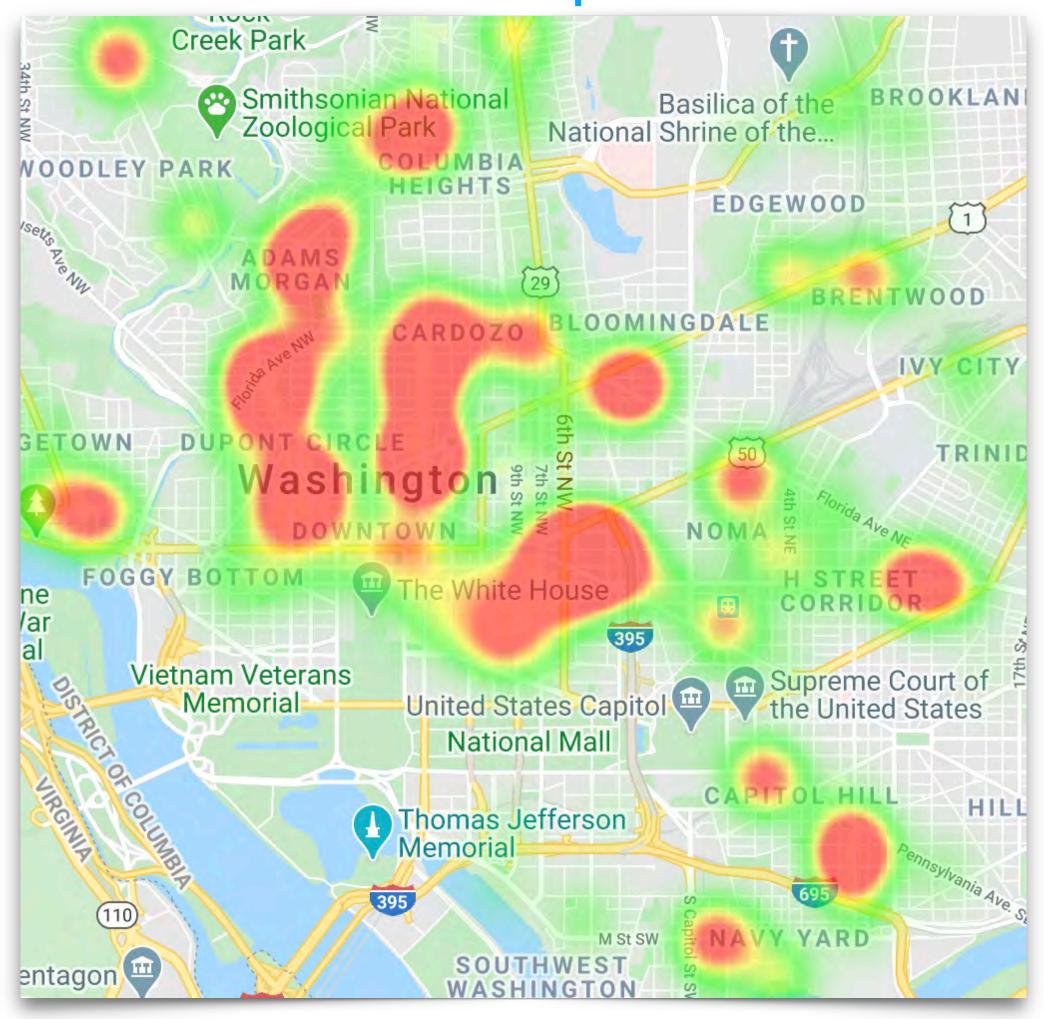


Zoomed-in View: Delivery & Pickup High-Volume Curbs

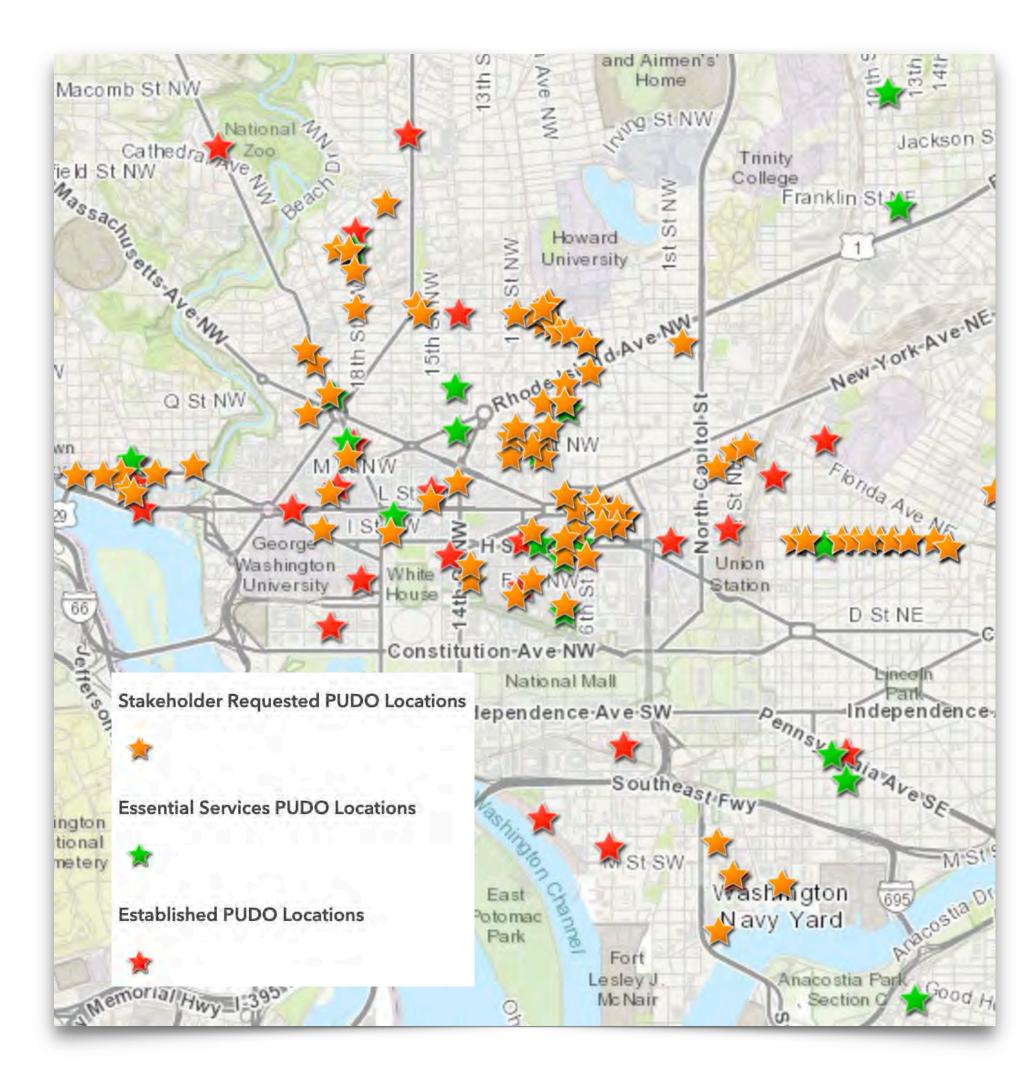


Leveraging curbFlow-provided data, DDOT acted fast in establishing Grab & Go zones in DC where they are most needed

Restaurant Orders During Covid-19 Outbreak
Mar 11 - April 3



DDOT PUDO Zone Locations



curbVision by curbFlow is a first-of-its-kind insights and alert notification platform



Customized machine **learning library** (non-PII)

Optional sleek and discrete



Best-in-class computer vision capabilities





computer vision devices



Color: Red Make: Chevrolet Model: Cruze 2165 North High St, Columbus, OH, 43201



curbVision ties into existing city cameras or can be enabled by curbFlow's sleek curb safety devices

OPTION A OPTION B OPTION C Install curbFlow's standal alone hardware Share video feed from city's cameras Combination of both options

Our approach to Digital Flow Management

<u>curbFlow's</u> 'Secret Sauce' <u>curbFlow's Digital Flow</u> <u>Management</u>

curbVision

+

PUDO Activity Index

4

Digitized Loading Zones

2 Enforcement

3 Automated Analytics

Relationships

curbFlow modernizes commercial loading zones ("CLZs")

Challenges with CLZs today









CLZ planning not based on operator demand data

No flexibility for dynamic curb uses









curbFlow's Digitized Loading Zone vs. existing CLZ programs

Real-time visibility of location and availability of all CLZs

Data on usage and productivity

Effective tracking and enforcement with optional Enforcement App and alert system

Optimized revenue generated from program

Improved long-term planning using synthesized insights

Curb rules and usage is flexible and dynamic



























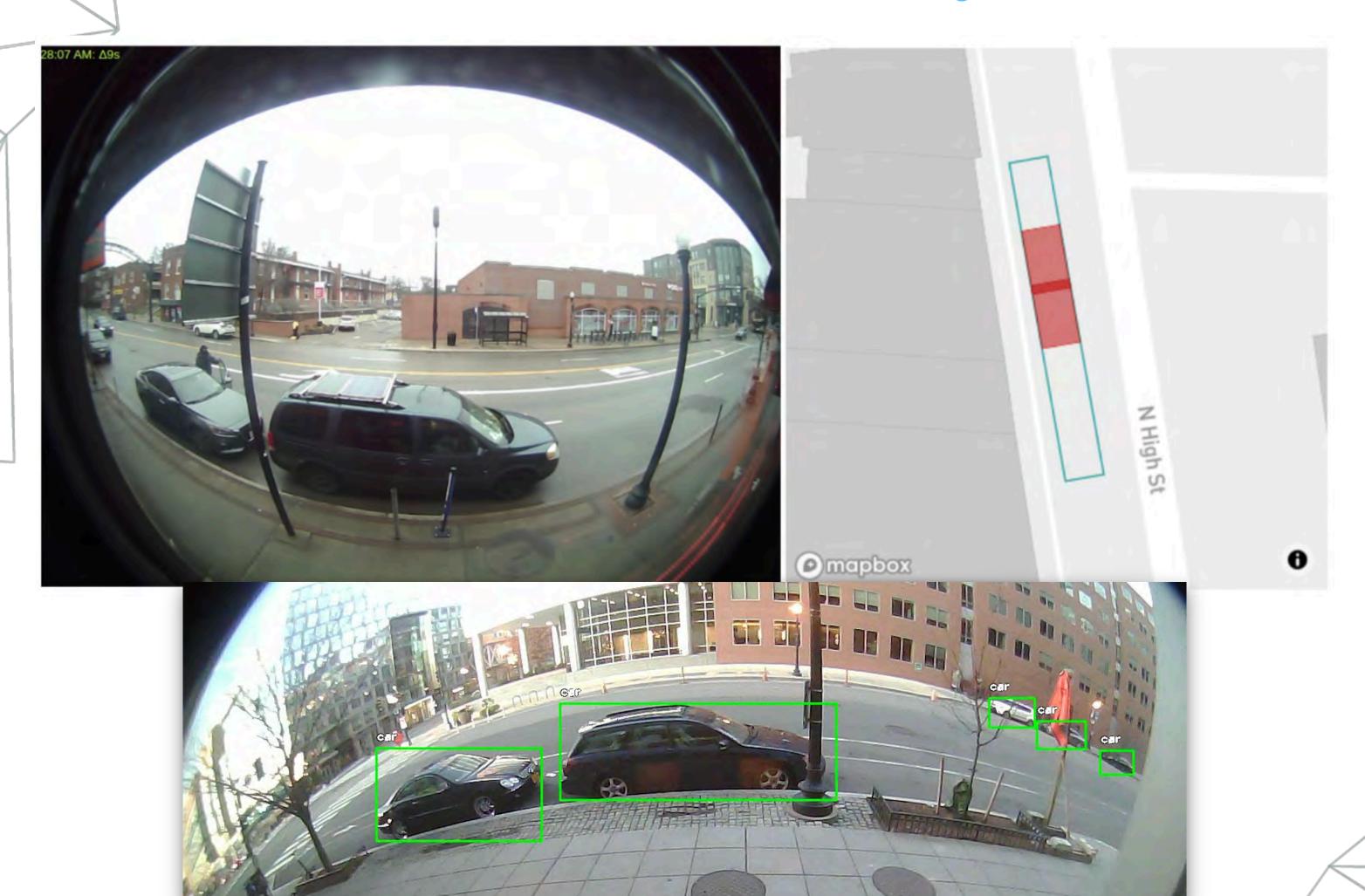


curbFlow's approach to Digitized Loading Zones

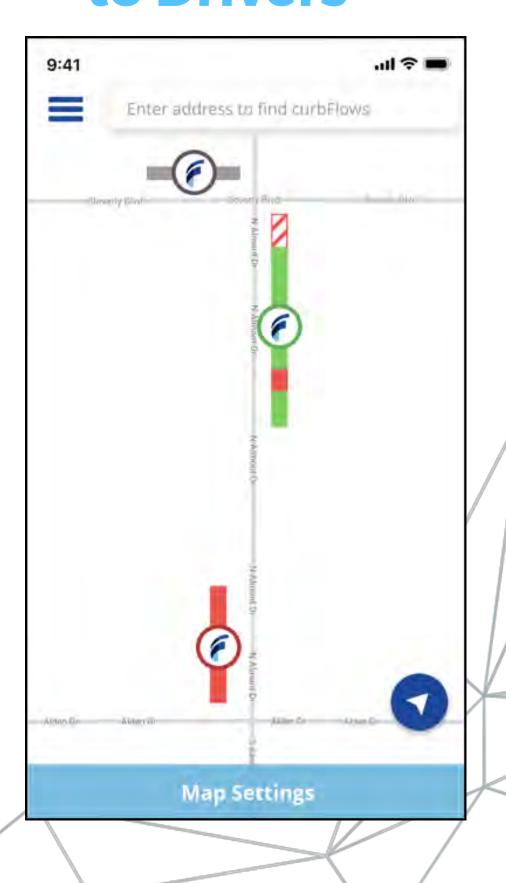


With curbVision and the curbFlow App, drivers know real-time curb availability

Monitor Curb Availability

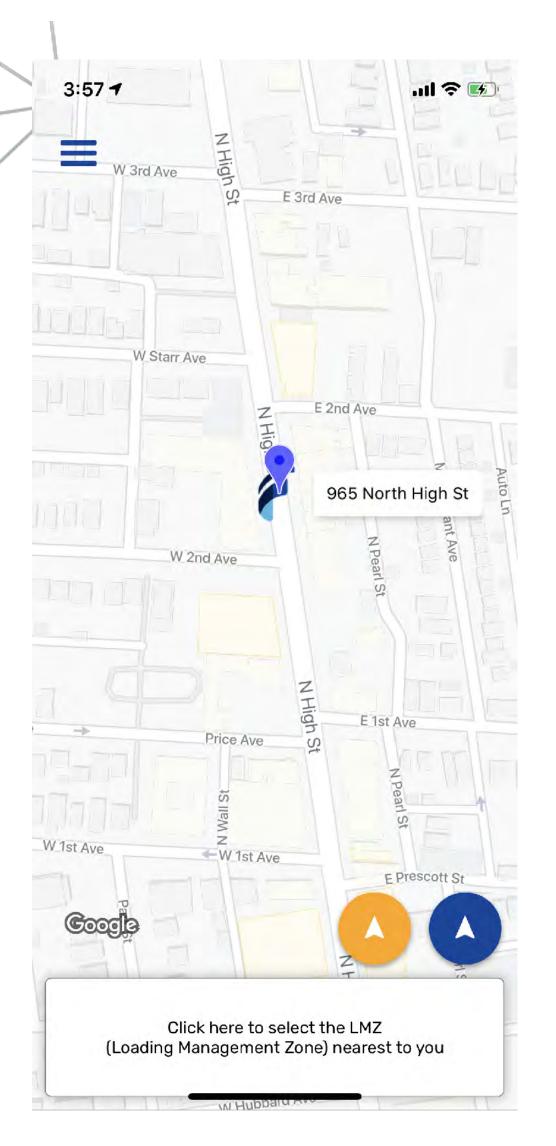


Availability Provided to Drivers

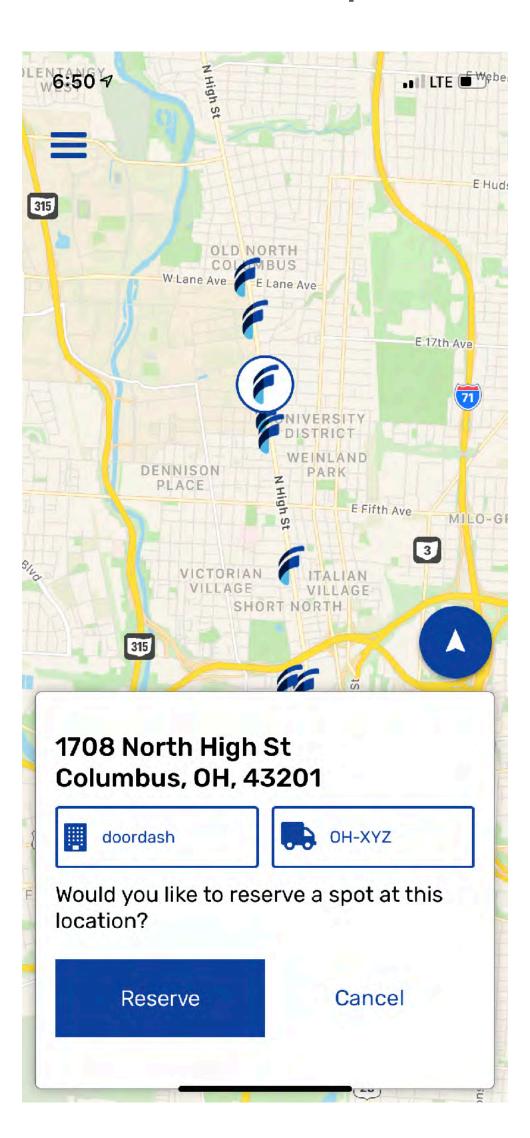


Drivers use curbFlow's app to reserve space

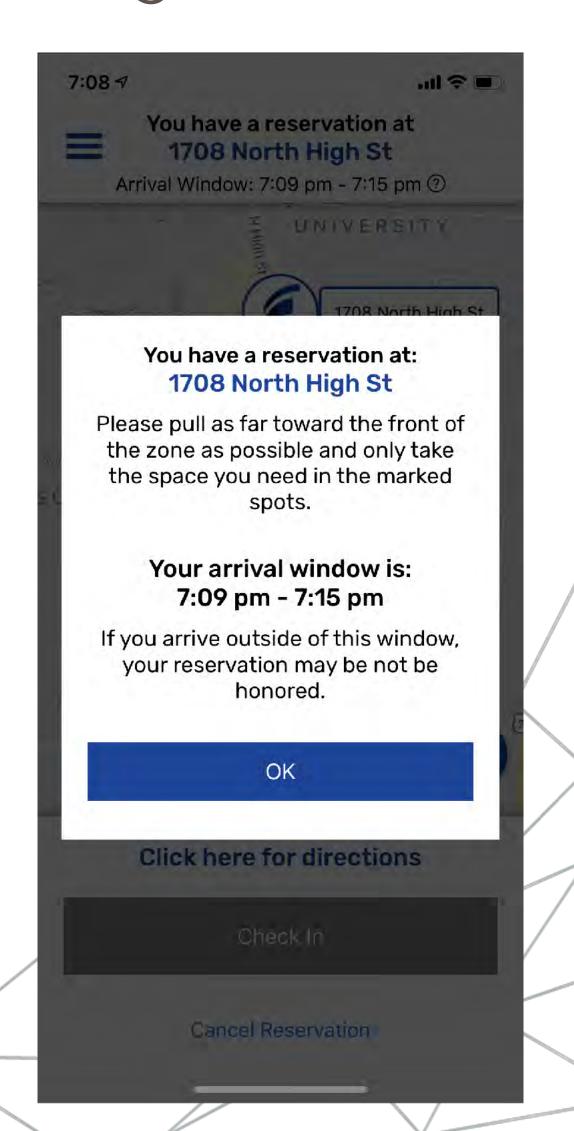
Select Location

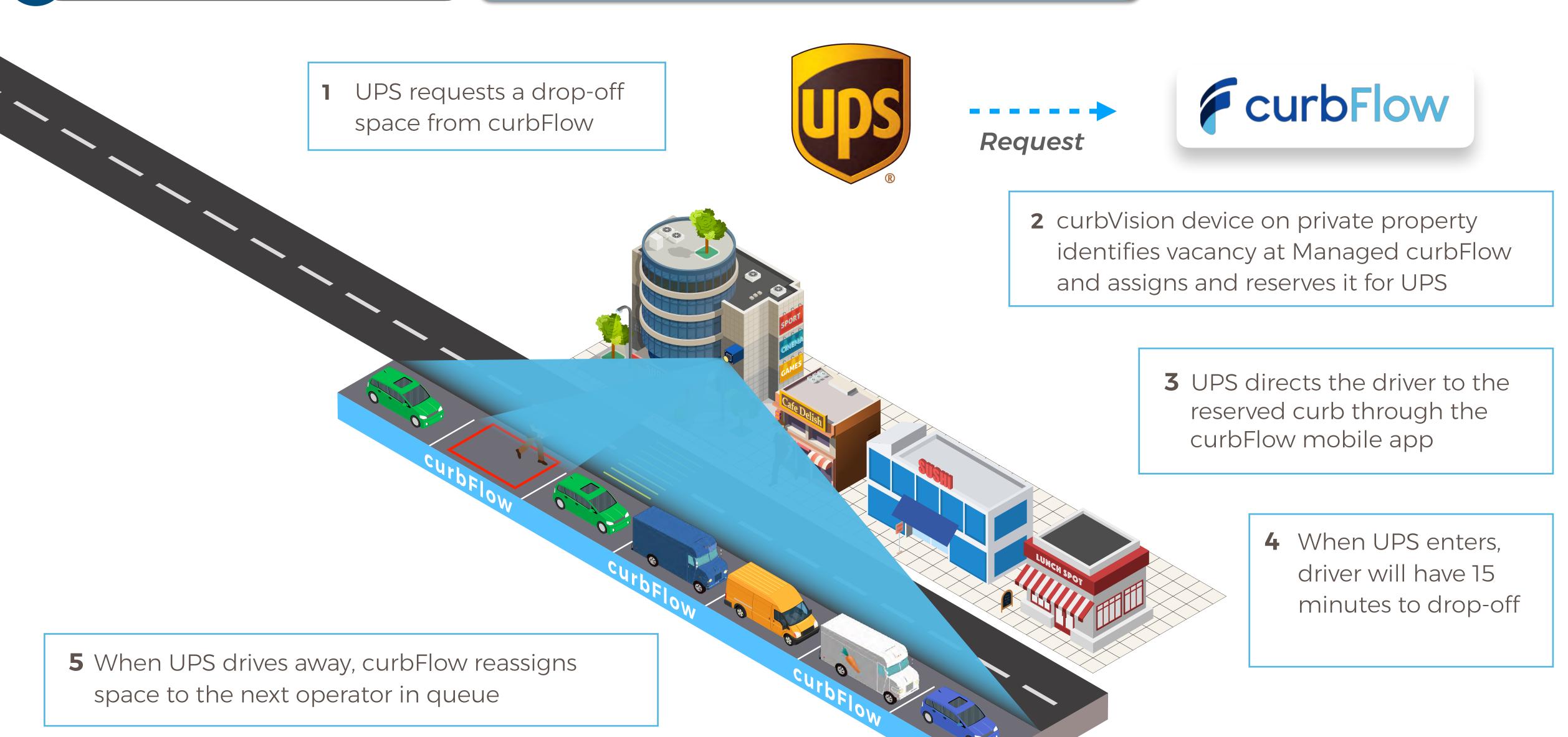


Reserve Space



Manage Reservation









"...With curbFlow, I love removing risk of parking tickets and the time saved finding parking..."

- Freight Driver, Washington, DC, October 2019





"...I love curbFlow because I can park on busy streets with spots reserved for easy deliveries. ..."

- Freight Driver, Washington, DC October, 2019





"...One word. Convenience!..."

- Freight Driver, Washington, DC October 2019



"...curbFlow makes me feel safe, secure and confident with peace of mind doing my job..."

Uber Eats Driver, Washington, DCOctober 2019

Uber Eats



Rahul Vinod, Co-Founder and CEO, RASA,
October 2019

"...Our drivers are no longer worried about being ticketed and given that we depend on these pickup drivers it's been an important service..."



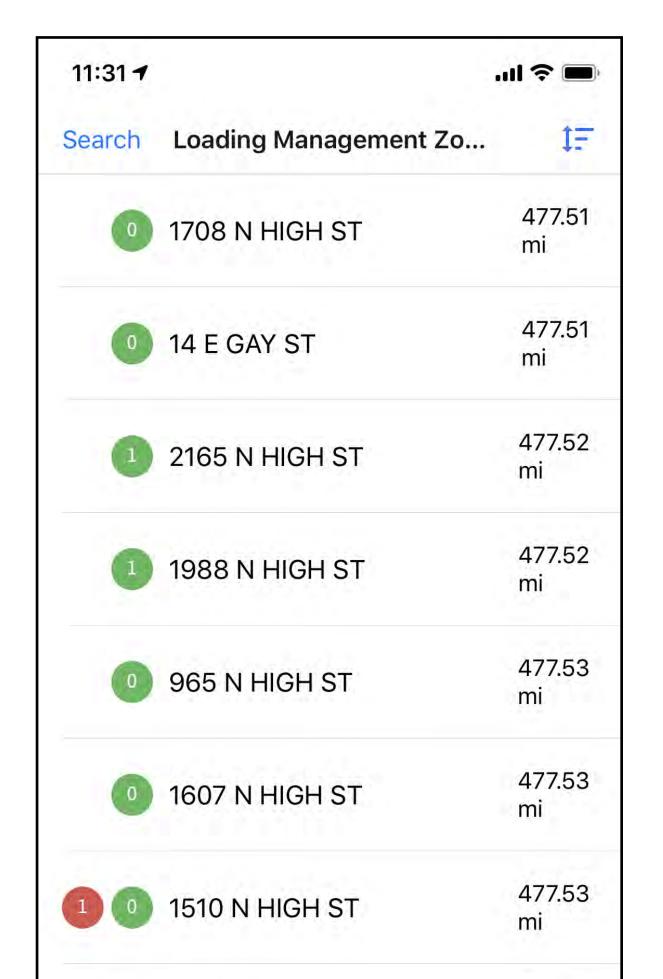


"...The curbFlow program was so successful, it will serve as an example for future programs...it also gave us a finer look at utilization to improve our own management..."

Dena Iverson, Chief External Affairs Officer, DDOT November 2019

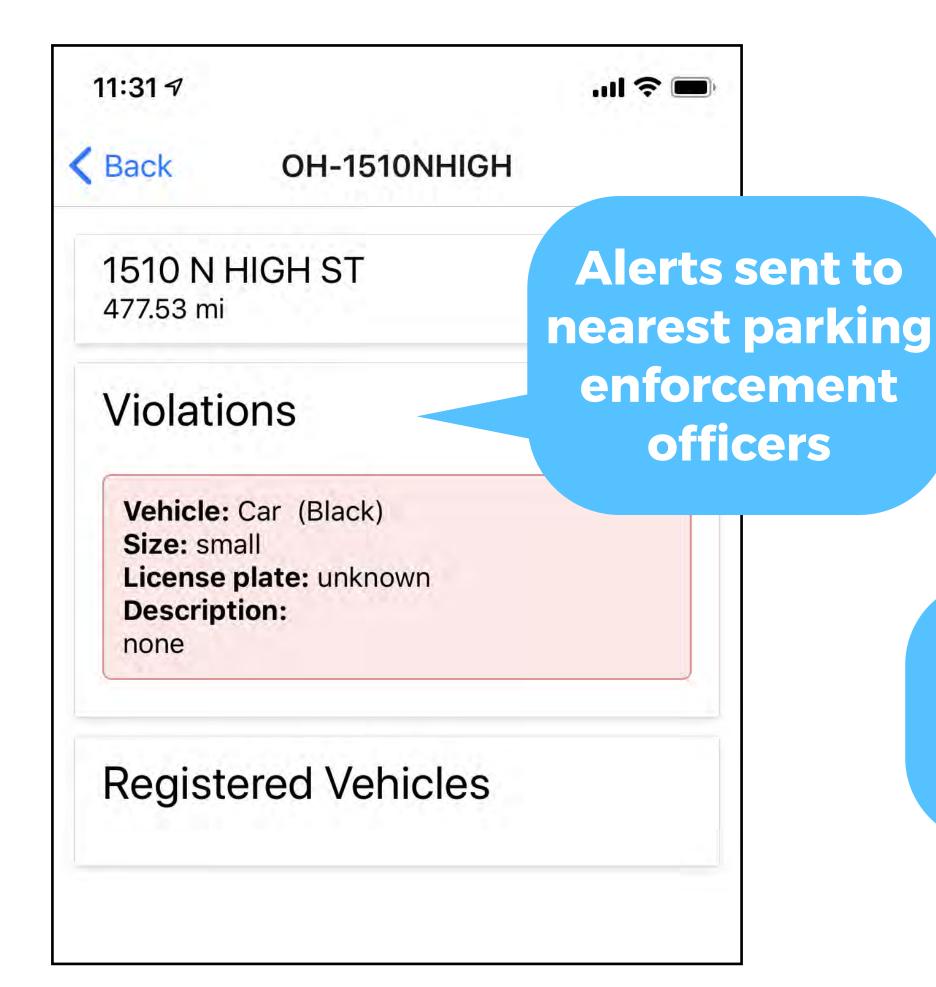
curbFlow's Enforcement Companion App provides the city with the real-time intelligence to effectively enforce Digital Flow Management

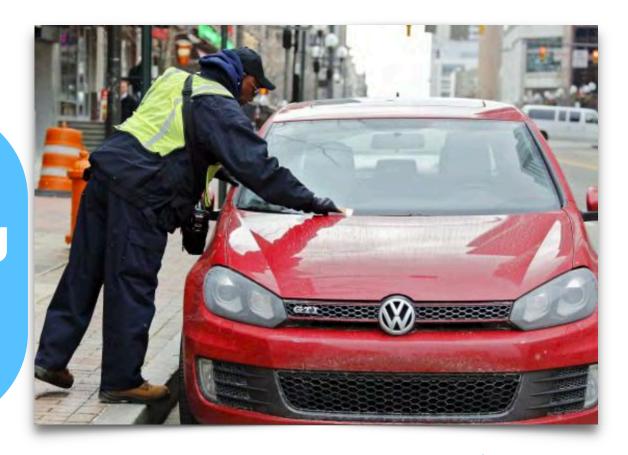
Eligible and Ineligible Vehicles by Location



Violations Recorded

Violators Cleared

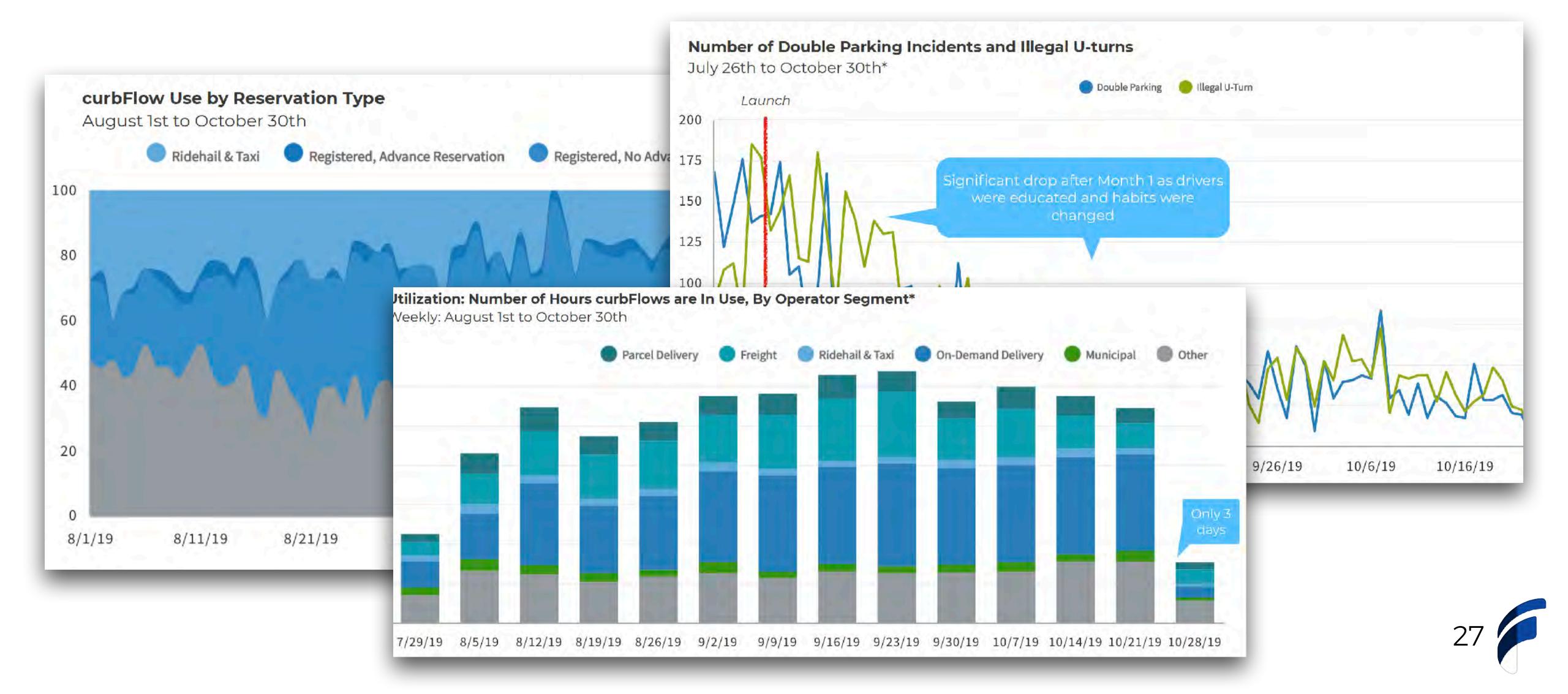




Officers assist in clearing curb space or write citation for improper use

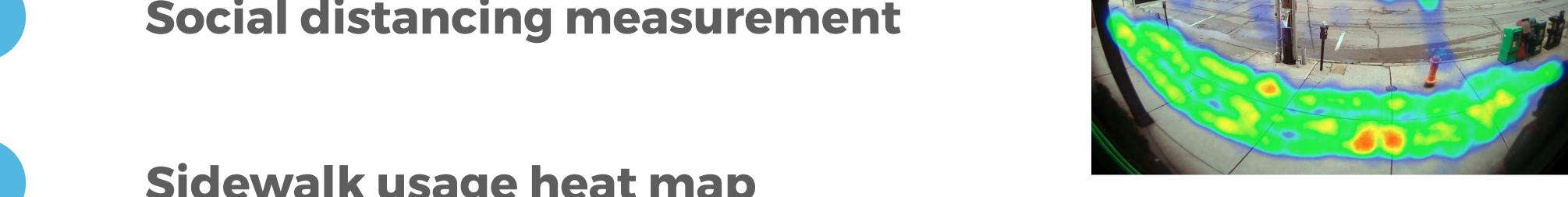


With curbVision, curbFlow provides to our city partners unique and comprehensive vehicle data & insights...

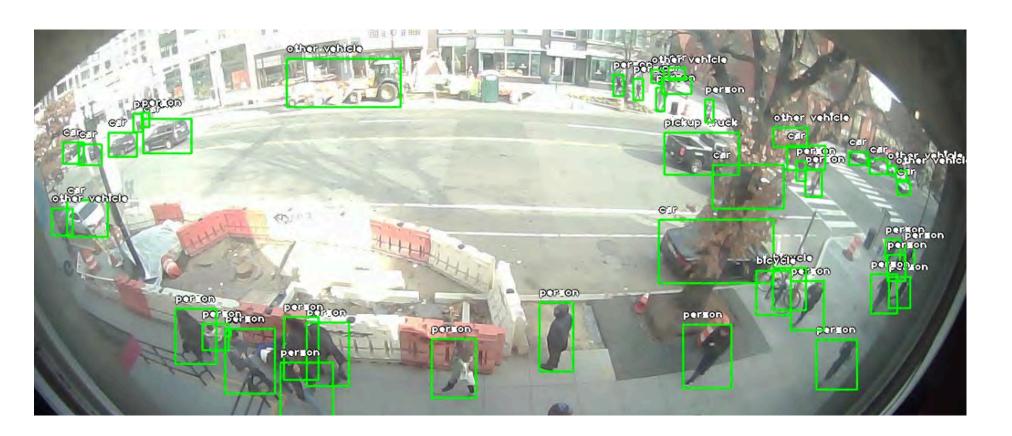


...As well as new and unique data to solve for current city challenges

- Pedestrian counting, direction, dwell time
- Social distancing measurement



- Sidewalk usage heat map
- Cyclist counting and evolution
- Violence or fight detection





With curbFlow, Miami Beach has a number of revenue opportunities

- Dynamic pricing of curbs and other assets
- Citation revenue from more effective enforcement
- A data-based approach to permitting (e.g., micromobility)
- Incremental tax revenue from value-added initiatives to local businesses

