



METRONext and the Future of Parking

HGAC Livable Centers:
The Future of Parking

September 2020

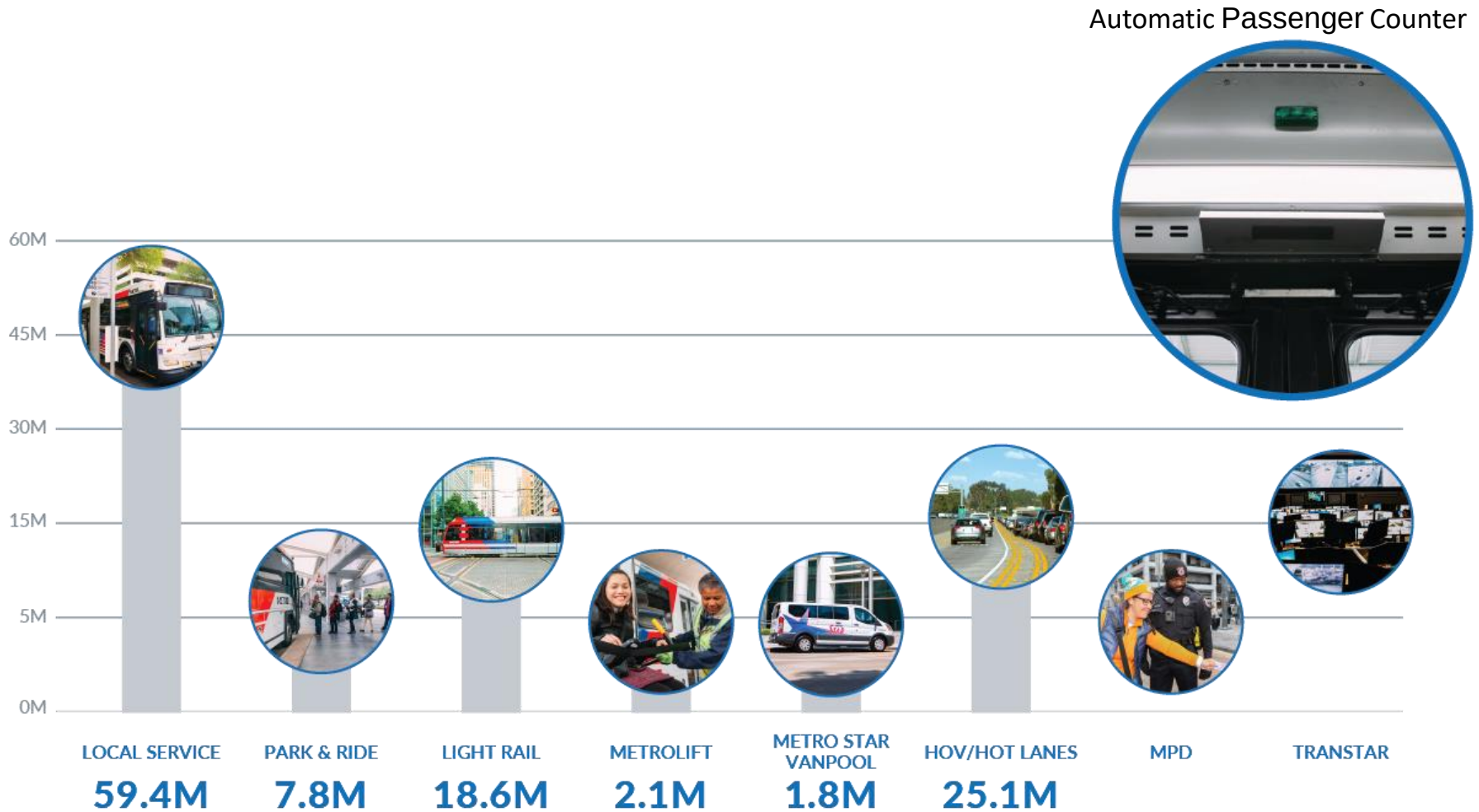
METRONext – A recap

Referendum: November 5, 2019

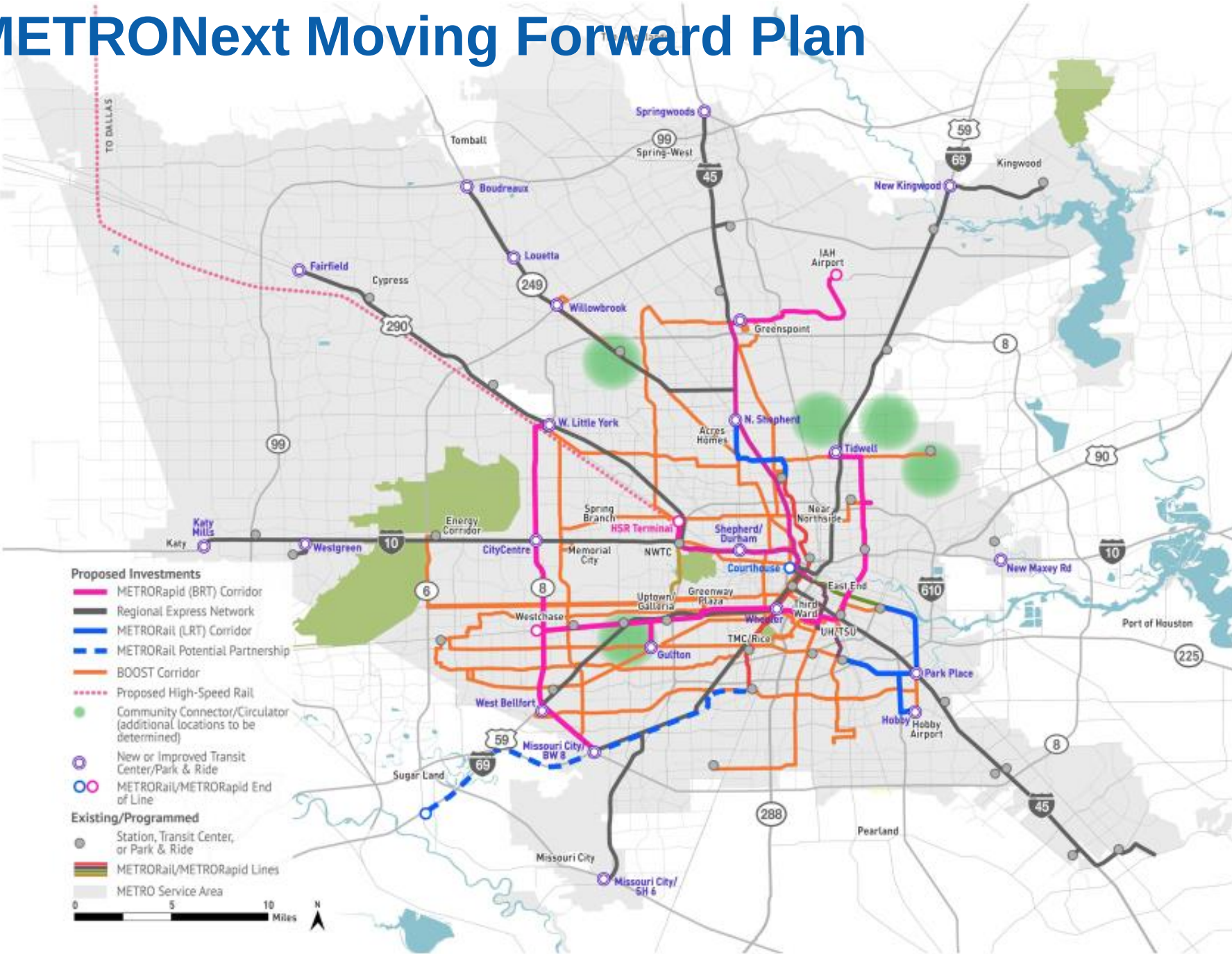
Voters say "Yes" to METRONext



METRO SERVICES & RIDERSHIP FY2019



METRONext Moving Forward Plan



METRONext Moving Forward Plan

Major Investments (Approx. miles)

110 mi		Regional Express Network	21		New or Improved Park & Rides, Multimodal Transit Centers
16 mi		Extended LRT lines	25%		Increase in Bus Service
75 mi		New BRT system			Multiple new Community Connectors
290 mi		BOOST & Signature			

Service & Access Improvements:



IMPROVED TRANSIT SERVICE ON MAJOR FREEWAYS



IMPROVED BUS SERVICE AND BUS STOPS



RESILIENCY PLANNING



PARTNERSHIP PROJECTS



UNIVERSAL ACCESSIBILITY

Moving Forward Plan: 2040 Results



103%

increase in ridership
compared to current
year



632,000

passenger trips
carried on the
METRO system every
day



134,000

fewer car trips on the
road each day



1,000,000

fewer vehicle
miles traveled
every day

Parking & Transit in Houston



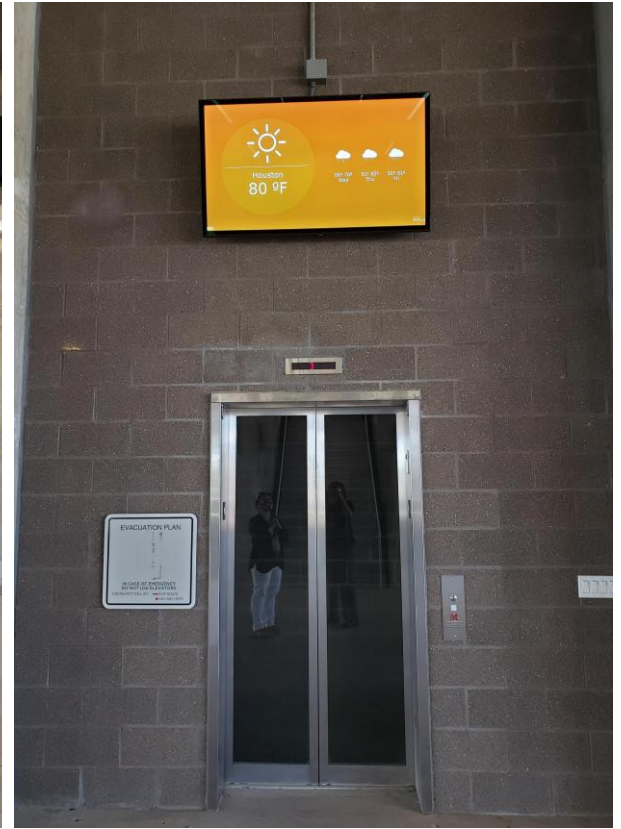
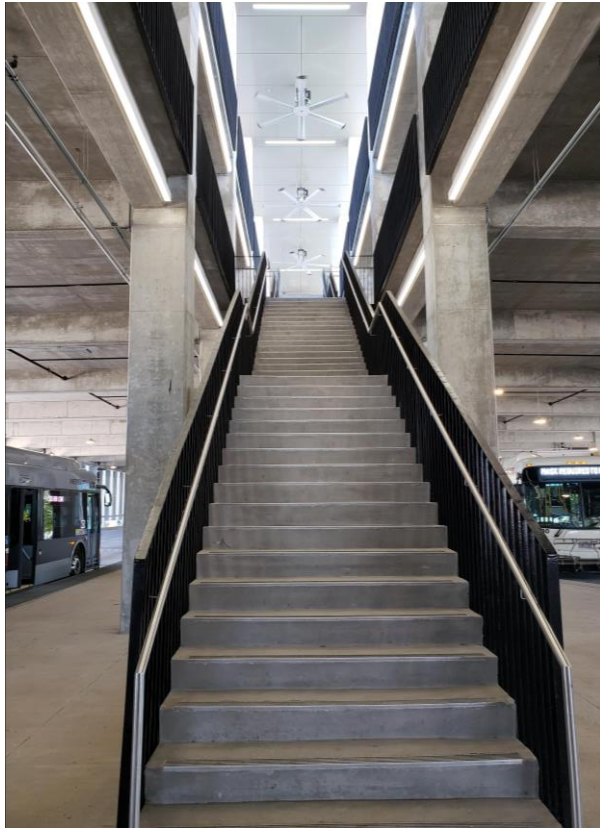
- Surface parking for commuters in suburban areas
- Westpark/Lower Westheimer latest parking garage with transit on 2 floors
- West Bellfort Park & Ride Garage in progress with NSF grant pending to create smart mobility hub
- METRO's TOD study (2015) looked at development potential of these sites.





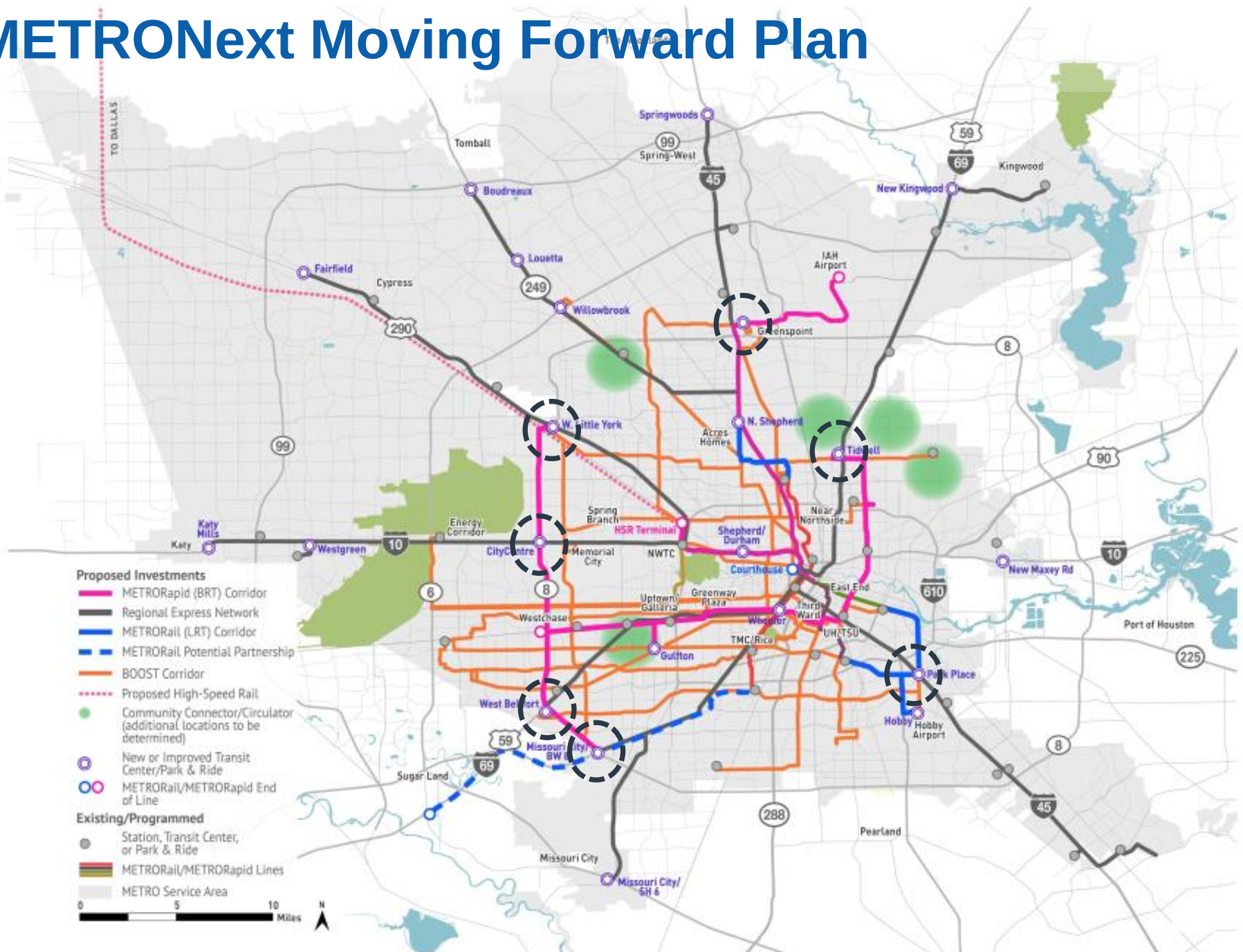






WESTPARK/LOWER UPTOWN TRANSIT CENTER

METRONext Moving Forward Plan





Policy, Program and Next steps

Partnerships

- Identify a diverse group of stakeholders
- Collaboration/ coordination platform

Transit Supportive Development

- Evaluate and strengthen Chapter 42, parking requirements, Transit Corridor Ordinance to encourage TOD projects

Multimodal Connectivity

- Integrate bike -pedestrian recommendations from ongoing

Leverage existing investments

- Evaluate TOD potential of existing property
- Evaluate other uses on METRO's site



EMERGING TRANSPORTATION OPTIONS

OFFICE OF INNOVATION



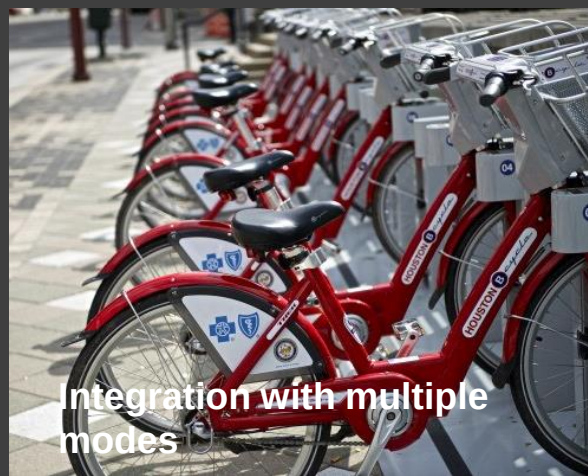
University District Project AV Community Circulator

- **Type of vehicle:**
Electric automated shuttle
- **Passenger capacity per vehicle:**
 - 12 passengers: 6 seated / 6 standing
 - Passenger
- **Operated on campus at Texas Southern University**
- **7,000 successful trips**
- **High customer satisfaction**
- **Houston METRO awarded federal grant to implement Phase II connecting to Light Rail and University of Houston**



THE FUTURE OF PUBLIC TRANSIT & PARKING

Cameras
Lighting
Sensors
Customer Amenities



Integration with multiple modes



Wi-Fi/Bluetooth Technology



Flexible/Adaptable Design



Dynamic Messaging/
Wayfinding



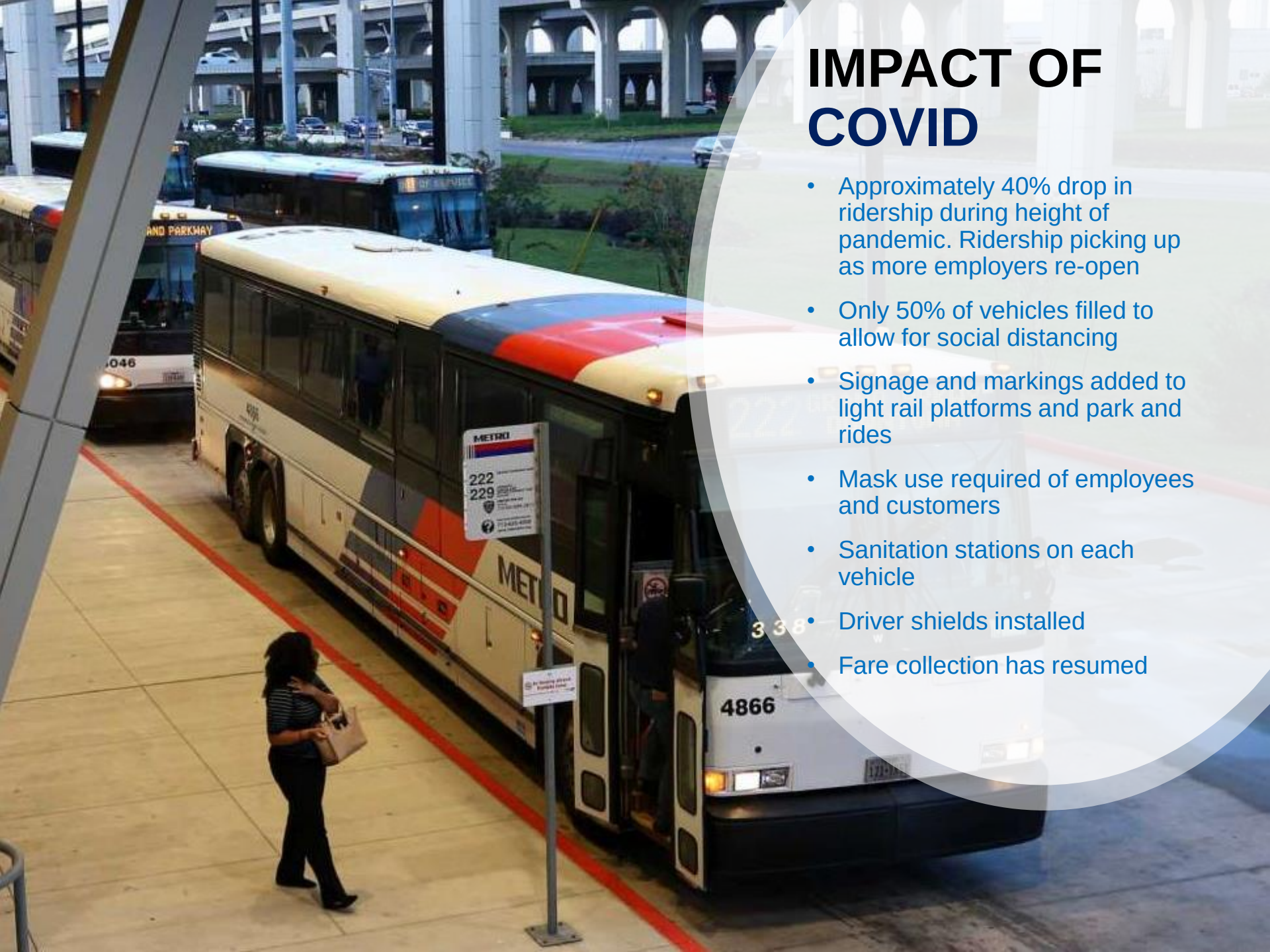
Greater Accessibility



Electric Chargers

IMPACT OF COVID

- Approximately 40% drop in ridership during height of pandemic. Ridership picking up as more employers re-open
- Only 50% of vehicles filled to allow for social distancing
- Signage and markings added to light rail platforms and park and rides
- Mask use required of employees and customers
- Sanitation stations on each vehicle
- Driver shields installed
- Fare collection has resumed





COVID's Impact on Transit & Parking

- Research on materials that can withstand more frequent cleaning
- Research on use of brass/copper materials for high touch surfaces
- Research on use of UV lighting
- Design for social distancing
- Research removing common amenities such as water fountains
- Research on sanitizing dispensers