IMAGINEERING TOMORROW: EQUITY THROUGH SAFETY & ACCESSIBILITY

Mandy K. Bishop, PE, SI
Deputy Director Public Service/ Smart Columbus Program Manager
"Mobility is the great equalizer of the 21st century."

"The impact of climate change isn’t just happening on far away shores. It effects our most vulnerable residents right here, right now in Columbus."

Mayor Andrew J. Ginther
$40 MILLION

78 APPLIED

COLUMBUS WON

SMART CITY CHALLENGE

THE CITY OF COLUMBUS
ANDREW J. GINther, MAYOR

U.S. Department of Transportation
CONNECTED ELECTRIC AUTONOMOUS VEHICLES
LEAP PASSENGER SERVICE

FREE TO RIDE  |  FEB. 2020-FEB. 2021

HUMAN OPERATOR ON-BOARD AT ALL TIMES  |  6 AM-8 PM DAILY

8-9:30 AM AND 2-3:30 PM PAUSES FOR SCHOOL START/STOP

4 Stops

1. LINDEN TRANSIT CENTER
2. ROSEWIND ESTATES COMMUNITY CENTER
3. DOUGLAS RECREATION CENTER
4. ST. STEPHEN’S COMMUNITY HOUSE

12 CARRIES UP TO 12 PASSENGERS
12 MPH AVG. SPEED
2.7 MI. ROUTE
ACCESSIBLE

OUTCOMES
MOBILITY
OPPORTUNITY
CUSTOMER SATISFACTION
EasyMile forced to suspend autonomous shuttle rides in 10 US states

The decision follows an "unexplained braking incident" in Ohio.

US agency stops autonomous shuttle firm from hauling people

The U.S. government’s highway safety agency has ordered an autonomous shuttle company to stop carrying passengers in 16 U.S. cities after a mysterious braking problem occurred in Columbus, Ohio.
CORONAVIRUS – GLOBAL PANDEMIC
LEAP FOOD PANTRY SERVICE

OUTCOMES

MOBILITY

OPPORTUNITY

CUSTOMER SATISFACTION

12-3 PM MON.-FRI.

1 STOP
NEAR 1400 BROOKS AVE.

DISTRIBUTING UP TO 40 FOOD BOXES A DAY

3 TRAINED OPERATORS

FACE COVERINGS ARE AVAILABLE UPON REQUEST

ELIGIBILITY: ALL FRANKLIN COUNTY RESIDENTS ARE ELIGIBLE TO PICK UP A BOX ONCE A WEEK
MOBILITY ASSISTANCE FOR PEOPLE WITH COGNITIVE DISABILITIES

Source: City of Columbus
WayFinder: An accessible Smart Phone program for providing multimedia prompts to individuals with cognitive disabilities for navigating public transit systems.
PERSON-CENTERED CUSTOM ROUTES SUPPORT RIDING THE BUS AND ACCESSING THE COMMUNITY INDEPENDENTLY
MOBILITY ASSISTANCE FOR PEOPLE WITH COGNITIVE DISABILITIES
Vision Zero cities

Map showing various cities across the United States marked as Vision Zero cities. The cities include:
- Bellevue, Seattle
- Portland
- Eugene
- San Francisco, Fremont
- San Jose
- Monterey
- San Luis Obispo
- Los Angeles
- Sacramento
- Watsonville
- Santa Barbara
- La Mesa
- Tempe
- San Diego
- Anchorage
- Austin
- San Antonio
- Laredo
- Hillsborough County
- West Palm Beach
- Fort Lauderdale
- Columbus
- Philadelphia
- Washington D.C.
- Montgomery County
- Alexandria
- Richmond
- Durham
- Charlotte
- New York City
- Jersey City
- Bethlehem
- Harrisburg
- Somerville
- Cambridge
- Boston
- Minneapolis
- Chicago
- Cleveland
- Columbus
- Cincinnati
- Portland
- Eugene
- Boston
- Cambridge
- Somerville
Columbus - Why Now?
Traffic deaths in Columbus (non-freeway)

Number of People Killed (2015-2020)

- 2015: 37
- 2016: 40
- 2017: 44
- 2018: 50
- 2019: 54
- 2020: 60
“Every person has the right to get to their destination safely.”

– Mayor Andrew J. Ginther
In 2019, 54 deaths occurred in 49 fatal crashes on our city streets.
The Action Plan
LIVES ABOVE ALL ELSE

HOW COLUMBUS COMMUTES TO WORK (2019 ACS CENSUS)
VS. FATAL CRASHES BY MODE (2015–2019)

- 86.6% travel by car, truck or van
- 3% ride the bus
- 3.5% walk
- 1.3% take a taxi, motorcycle, or other method
- 0.4% bicycle

- 119 motorists killed
- 74 pedestrians killed
- 28 motorcyclists killed
- 4 bicyclists killed

Vulnerable road users account for less than 6% of all commuters

Vulnerable road users account for 47% of all crash fatalities
65% Severe or Fatal Crashes

Happen on 10% Columbus Streets
Foundational Activities

• Getting better data – updating crash information, near miss info, and seeking demographic information

• Infrastructure Assets – managing what/where the city has (signs, signals, crosswalks) and what condition it’s in

• Policies, Practices, Legislation - Understand the way we currently do things to see what can or should be changed
The Strategies – Grouped by 4 Goals:

- Plan and build safe streets for all users
- Promote a culture of safety
- Do it better – enhance processes and collaboration.
- Identify and Commit resources
Protecting lives takes priority over all other objectives of our transportation system.
Do it for people, do it for purpose.
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THANK YOU