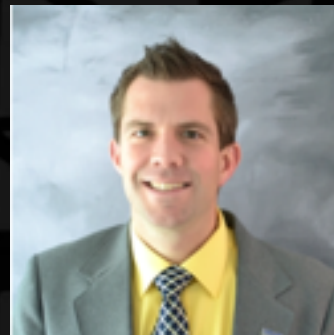# Speaker Introductions

Andrew Wolpert, PE
City of Columbus
Deputy Program Manager
Adwolpert@columbus.gov

Jeff Kupko, PE, PTOE
Michael Baker International
Consultant Project Manager
Jeffrey.Kupko@mbakerintl.com

$40 MILLION

78 APPLIED • COLUMBUS WON

VISION:
To empower our residents to live their best lives through responsive, innovative and safe mobility solutions.

MISSION:
To demonstrate how an intelligent transportation system and equitable access to transportation can have positive impacts on every day challenges faced by cities.

OUTCOMES:

SAFETY   MOBILITY   OPPORTUNITY   ENVIRONMENT   AGENCY EFFICIENCY   CUSTOMER SATISFACTION
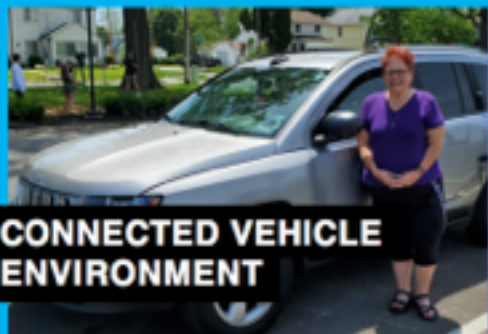
SMART CITY CHALLENGE

THE CITY OF
COLUMBUS
ANDREW J. GINTHER, MAYOR

SMRT COLUMBUS

U.S. Department of Transportation

SMART MOBILITY HUBS

CURRENT SYSTEM

- **Fixed route bus service**
- **Transit system redesign**
- **Park-and-ride and transit facilities**
- **CMAX Bus Rapid Transit**
- **Public 4G Wi-Fi provided at transit centers and on buses**
- **Mobility providers deploying independently**

STAKEHOLDER ENGAGEMENT

- **Linden Community workshops**
- **Community leaders**
- **Linden Liasons**
- **Transit and mobility providers**
- **Community resources/ places of interest**
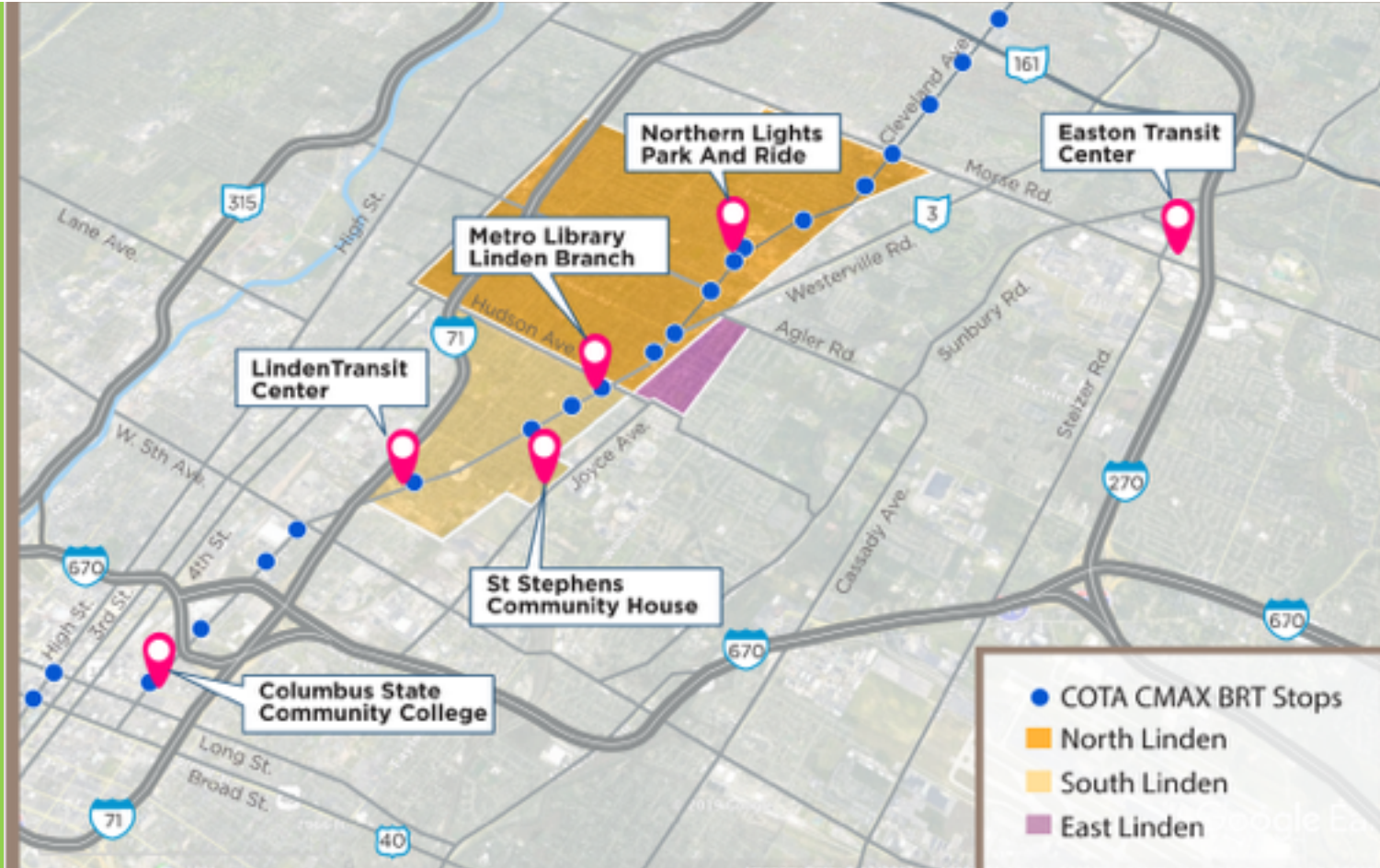
GEOGRAPHIC FOCUS

Linden Area

- **Support CMAX**
- **Bridge first-mile/last-mile gap**
- **Link to jobs and services**

Easton Area

- **Provide last link to jobs**
- **Enable modal transportation in Easton area**

SOLUTION

Location	Park and Ride	Wi-Fi-Enabled	Car-Sharing	Docked Bike-Sharing	Ride-Sharing	Real-Time Displays	Bike Racks	Interactive Kiosk	Comprehensive Trip Planning	Emergency Call Button	EV Charging
Columbus State Community College		○	○	✓		✓	✓	○	○	○	
Linden Transit Center		✓		○	○	✓	✓	○	○	○	
Northern Lights Park & Ride	✓	✓	○		○	✓	○	○	○	○	○
St. Stephen's Community House	○	○	○	○	○		✓	○	○	○	
Metro Library – Linden Branch		○	○	○			✓	○	○	○	
Easton Transit Center	✓	✓			○	✓	✓	○	○	○	

Legend: Proposed ○ · Existing ✓ · N/A (blank)

PARTNERS

Property Stakeholders	Kiosks	Mobility Providers
COTA — CENTRAL OHIO TRANSIT AUTHORITY	EXPERIENCE COLUMBUS	COGO BIKE SHARE
St. Stephen's Community House — Brightening Lives in Columbus since 1919	ike SMART CITY	Lime · YELLOW CAB COLUMBUS 1928
COLUMBUS METROPOLITAN LIBRARY	ORANGE BARREL MEDIA	SPIN · EASY MILE
COLUMBUS STATE COMMUNITY COLLEGE		

SMART MOBILITY HUBS FEATURES

SMART MOBILITY HUB —
METRO LIBRARY — LINDEN BRANCH, SMH-3

SMART MOBILITY HUBS FEATURES

SMART MOBILITY HUBS

COST

$1.3 MILLION
Construction and installation = $272K

Engineering, design and communications = $1.06M

DEMONSTRATION

JULY 2020 TO MAR 2021

PEOPLE SERVED

1,084 Bike Share Trips to/ from Hub Locations

65,000+ Kiosk Interactions

INFRASTRUCTURE

Hub Locations Strategic partnerships:

- Kiosks (IKE Smart City)

- EV charging (AEP)

- CoGo Bike Share (Paul G. Allen Family Foundation)

OUTCOMES

MOBILITY
- 4 new bike share stations in Linden

OPPORTUNITY
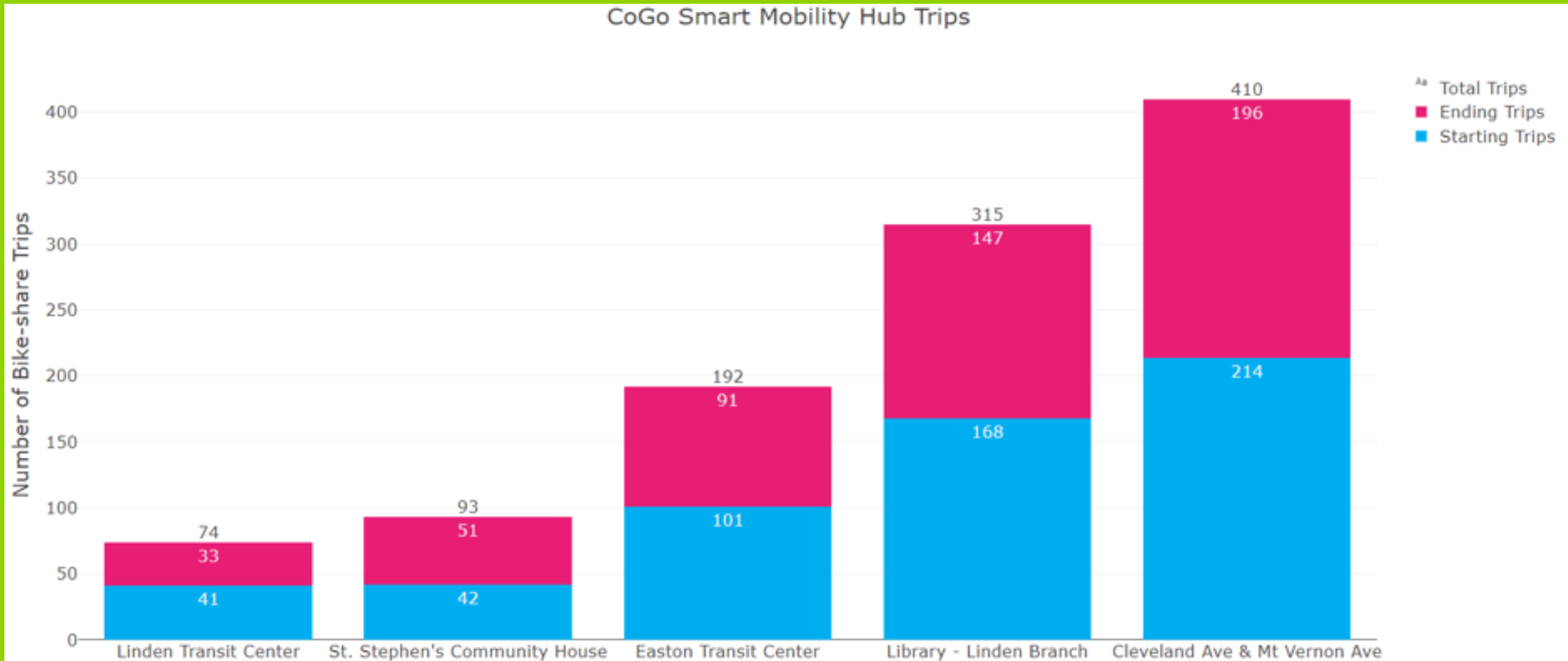- WiFi-enabled kiosks

CUSTOMER SATISFACTION
- Low usage (COVID + timeframe)
- As travel returns, more usage anticipated

"Bike-share at smart mobility hubs integrates first mile/last mile connections into the Linden community."
Chet Ridenour, CoGo Bike Share Operations Manager

LESSONS LEARNED

- Stakeholder engagement drove early alignment of goals and hub locations and helped obtain partner commitment
- Mobility provider agreements are necessary for sustainability
- Leveraging partner contributions for kiosks and charging helped create a holistic solution
- Communications after construction helped build awareness for new options and tools

Deploying IKE kiosks at smart mobility hubs helped to equitably distribute the kiosks and solve challenges in growing urban populations

Randall Sistrunk, Director of Development, Orange Barrel Media and IKE Smart City

SUSTAINABILITY
SMH

The City of Columbus Department of Public Service will take ownership of the growth of smart mobility hubs.

Additional neighborhoods and mobility corridors are being studied to consider more locations in the future.

WRAP UP and WHAT'S NEXT

HOLISTIC OUTCOMES

Guiding principles:

- Solving community challenges
- ITS can serve residents and businesses
- Smart is for everyone

Creating a sustainable foundation:

- Establishing long-term projects (and the legacy of projects that were removed)
- Identifying champions
- Continuing regional collaboration (Hubs, CV, AV, EV, shared/intelligent mobility)

THE ROLE OF THE RESIDENTS

Our smart city successes were made possible through collaboration with 100,000 residents

Andrew Wolpert, PE,
City of Columbus
adwolpert@columbus.gov

Smart Columbus
smartcity@columbuspartnership.com

Executive Summary

https://d2rfd3nxvhnf29.cloudfront.net/2021-06/20210615-smart-columbus-program-summary-FINAL_0.pdf

Final Report

https://d2rfd3nxvhnf29.cloudfront.net/2021-06/SCC-J-Program-Final%20Report-Final-V2_0.pdf

Performance Measures Results:

https://d2rfd3nxvhnf29.cloudfront.net/2021-06/SCC-C-PfMP%20Results%20Report%20FINAL_Reduced%20File%20Size.pdf