

Connecting Communities Through Alternative Transportation





2020

Welcome

- Introductions
- Alternative Transportation Trends and Economics
- Columbus' Plan and its Development
- Success Stories for Other Cities
- Questions







Introductions

Today's Presenters



Brian Tornes, PE

- Ohio State University (1990)
- Civil Engineer
- 30 years in Park and Environmental Design
 - Scioto Audubon Metro Park
 - Quarry Trails Metro Park
 - Confluence Village Pedestrian Bridge/Park
 - Multiple Boating Access Facilities



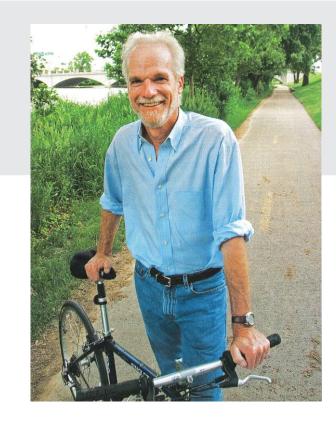




Brad Westall, PLA

 Lead Landscape Architect and Planning Manger Columbus Recreation and Parks

 20+ years Park and Trail Development in the City of Columbus





RECREATION AND PARKS
DEPARTMENT



Larry Peck



• Education:

- BS Parks and Recreation Administration The Ohio State University
- MS Natural Resources Management The Ohio State University



- 1983-1991 Deputy Chief Operations Ohio State Parks (ODNR)
- 1981-1983 Presidential Management Intern, US Dept. of Army



Amy Rosepiler, PE

- West Virginia University (2001, 2002)
- Civil Engineer
- 18 years in Urban & Complete Streets Design
 - Multimodal planning and design
 - Olentangy-Bethel Connector Trail
 - Olentangy Trail Arena District Connector









Alternative Transportation

Economic Impact on the Community



Traditional Transportation (Pre-COVID)

Commuting

Recreation

Home Life

Road Trip







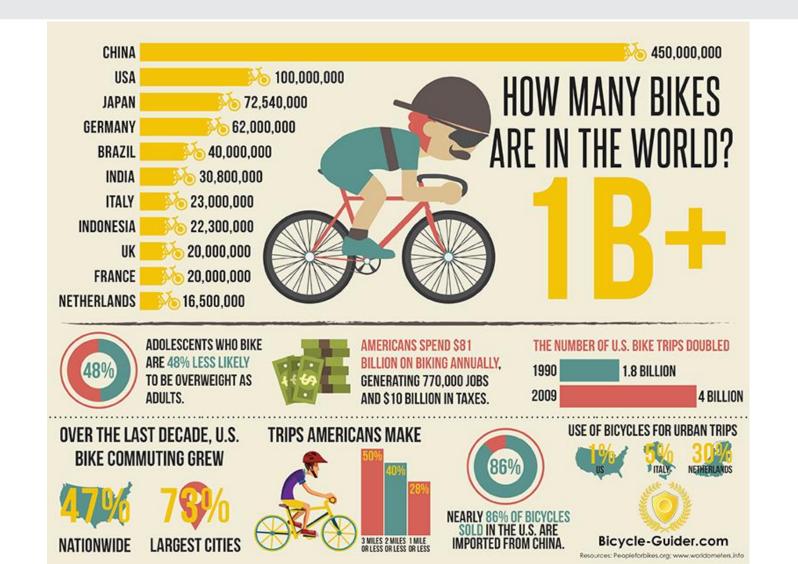
Kayaks and Bikes in an Economic

- Discussion?
- Outdoor Recreation is 3rd largest industry (\$887B annually)*
 - 7.6M employed
- 5% growth during 2005 2011 recession
- COVID Impact???
 - Bicycle sales up 63% (\$697M June 2020)
 - Paddle sport sales up 56% (\$172M June 2020)





Bicycle Statistics (Pre-COVID19)





Bicycle Statistics (Part II)

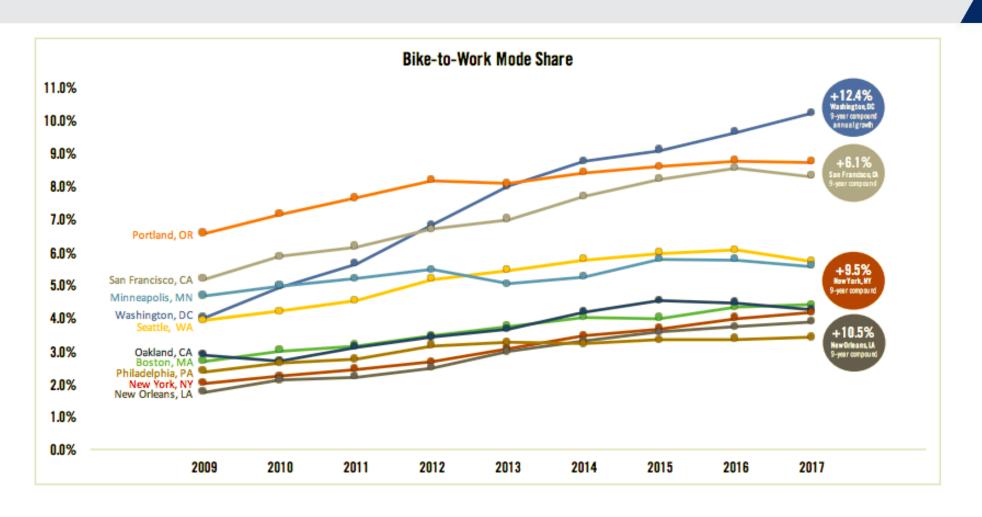
- A bicycle is sold every 2 seconds
- Production of bicycles is 2.5 times that of cars

 Commuting 8 km per day 4 days a week saves 750 Kg of CO2 emissions per year





Bicycle Commuters



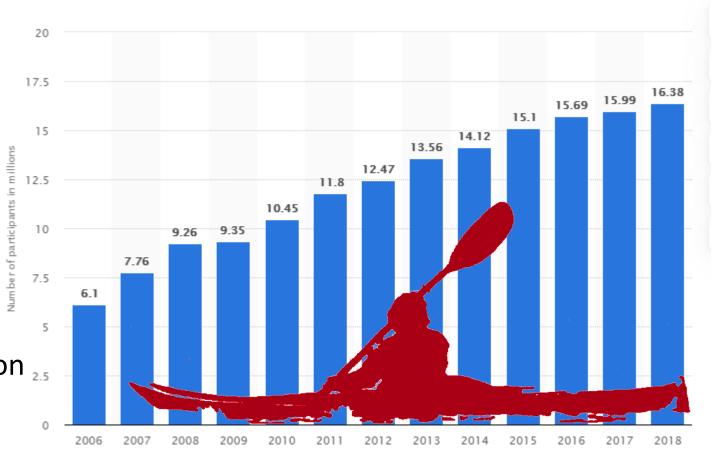


Kayak Statistics

 US Kayak Participation in Millions

(Most are currently recreation)

 Americans spend \$14B/year on 2.5 watersports gear



TECH | GEAR & GADGETS

Skip the Traffic: Paddle to the Office Instead

Why is this important?

- 53% of kayakers are 18-44 years old
- 81 to 83 % of citizens age 25-55 are in the workforce

- 85% of bicyclists are 24-55 years old
- 65% of workforce is ages 25-55 in 2024





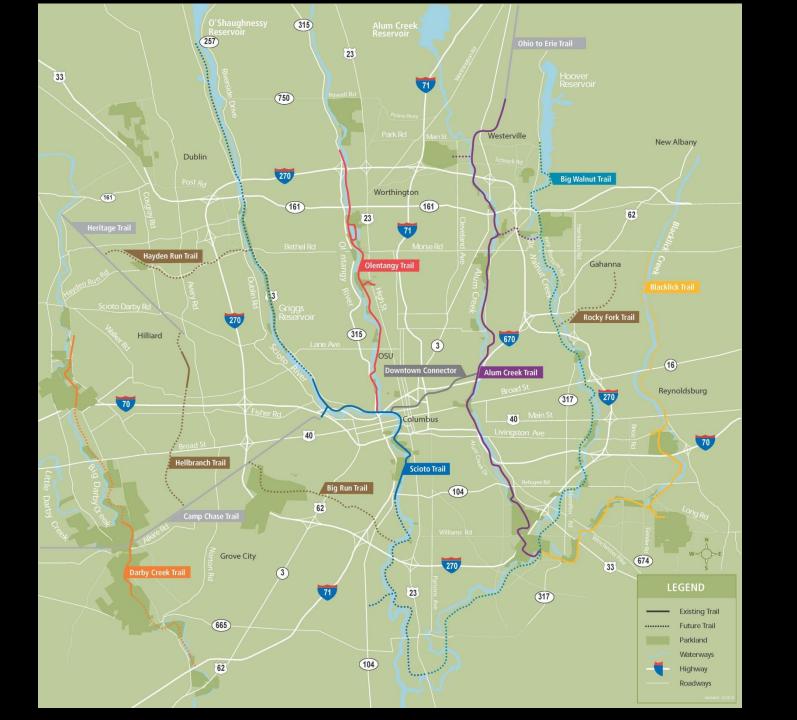
 Pre-COVID (2019) – 7 out of 10 companies reported a talent shortage (CNBC)

• "For most businesses, the issue of location choice now is driven by labor: Will we be able to attract the white collar skills we need?" says Wharton management professor Peter Cappelli, director of School's Center for Human Resources.

Ohio Economic Development Summit 2020

Brad Westall, PLA Planning Manager Columbus Recreation and Parks

Columbus Snapshot



"Creating a World-Class Trail Network"

48 City parks
7 MetroParks
6 suburban communities
2 major reservoirs



2014 Master Plan Household Survey: "Trails rated as #1 Facility we need"

128 mi. completed

2019 Land Plan: All residents within 10 minute walk from a park or trail. (58% in 2020—78% by 2025)



Miles of Existing Trail

MAIN LINE

ALUM CREEK 24.4

BIG WALNUT 6.1

BLACKLICK 14.9

CAMP CHASE 17.2

DARBY CREEK 10.1

DOWNTOWN CONNECTOR 5.2

HELLBRANCH 5.1

HERITAGE 6.1

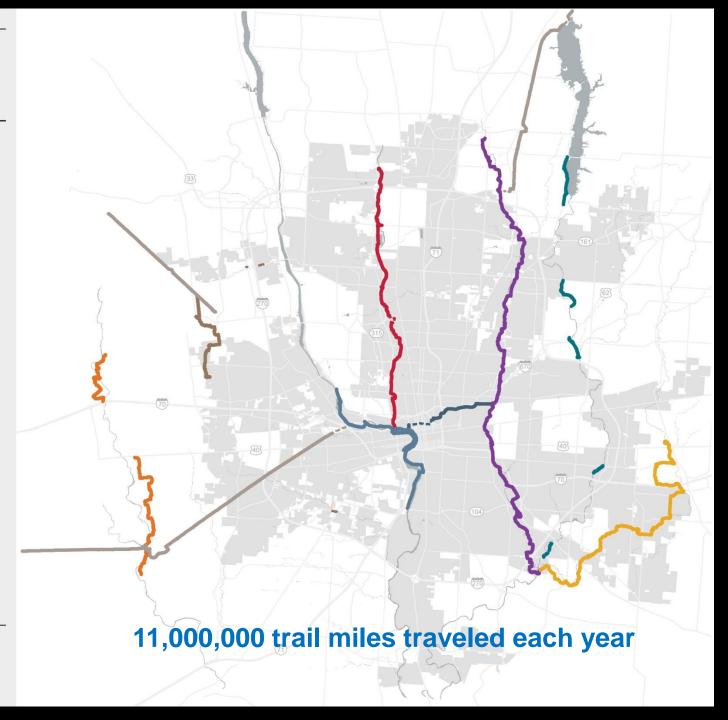
OHIO TO ERIE 9.4

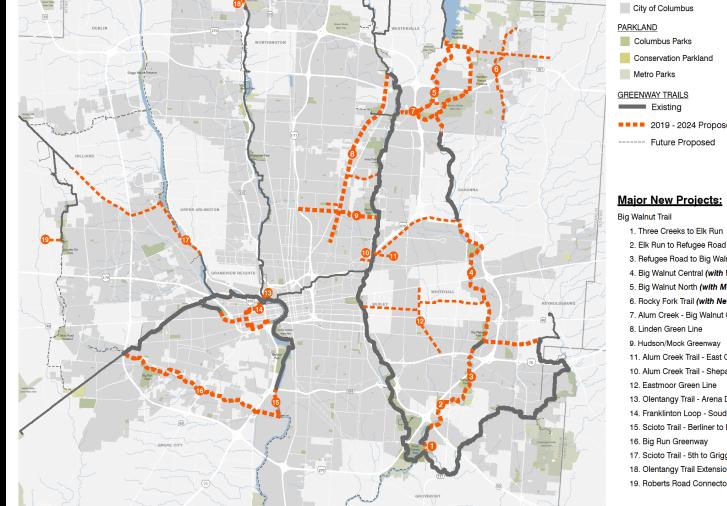
OLENTANGY 13.2

SCIOTO 11.3

123.0







- 2019 2024 Proposed New Projects

Major New Projects:

- 2. Elk Run to Refugee Road UNDERWAY
- 3. Refugee Road to Big Walnut Park
- 4. Big Walnut Central (with Whitehall & Gahanna)
- 5. Big Walnut North (with Metro Parks)
- 6. Rocky Fork Trail (with New Albany & Metro Parks)
- 7. Alum Creek Big Walnut Connection
- 11. Alum Creek Trail East Columbus Connector UNDERWAY
- 10. Alum Creek Trail Shepard Connector COMPLETE

- 13. Olentangy Trail Arena District Bridge- UNDERWAY
- 14. Franklinton Loop Souder Ave to Broad St. UNDERWAY
- 15. Scioto Trail Berliner to Big Run
- 17. Scioto Trail 5th to Griggs Park UNDERWAY
- 18. Olentangy Trail Extension Worthington Hills COMPLETE
- 19. Roberts Road Connector COMPLETE

Columbus Trails Ohio to Erie Trail 2012-2014 **New Segments** 1 Camp Chase Rail Trail 2 Scioto - 910 Ohio to Erie Trail Local Trail Network City of Columbus Parkland 3 Alum - Brittany Hills

4 Innis Park Extension

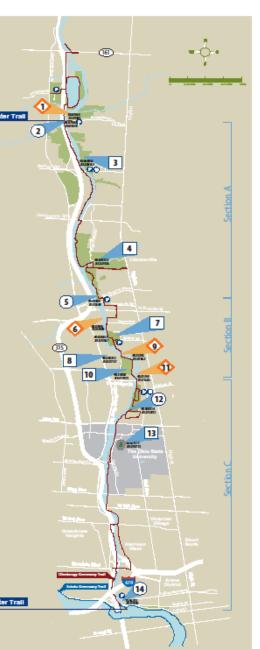
Olentangy River
Water Trail

Trail At A Glance

Irali At A Giance		
Site	River Access	Distance to next site
1	Broad Meadows Dam	< 0.1 miles
2	Broad Meadows Pedestrian Bridge	.65 miles
3	Kenney Park	1.68 miles
4	Whetstone Park & Prairie	0.60 miles
(5)	Northmoor Park	0.47 miles
6	North Broadway Dam	0.22 miles
7	Clinton-Como Park	0.39 miles
8	Union Cemetery	0.29 miles
9	Union Cemetery Dam	0.01 miles
10	OSU Wetland	0.46 miles
₩.	Dodridge Street Dam	0.45 miles
12	Tuttle Park	0.69 miles
13	OSU Campus and Stadium	2.95 miles
14	Lower Olentangy Boat Launch	end of trail
TOTAL DISTANCE:		8.66 miles

Legend

Legena		
	Water Trail	
\Diamond	Boating Hazard	
0	Water Trail Access	
	Point of Interest	
	Olentangy Greenways Trail	
	Scioto Greenways Trail	
0	Parking	
0	Public Restrooms	
	Park Land	



Ohio Economic Development Summit 2020

Connectivity Equity and Economic Resilience



"Neighborhoods, Neighborhoods"
Mayor Andrew Ginther

REGIONAL IMPACT

THE REGION'S MEETING PLACE

OVER

1 MILLION
VISITORS A YEAR

50+

DOWNTOWN

RACES ANNUALLY













24 HOURS A

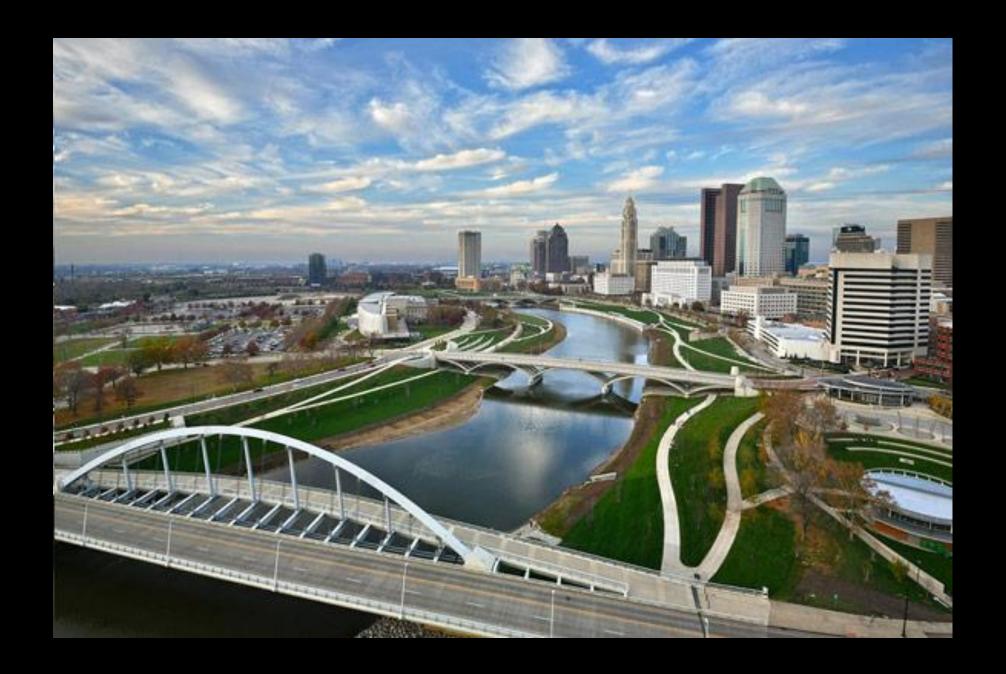




A RIVERFRONT WITH RESULTS: DOWNTOWN COLUMBUS | 2017 APA NATIONAL CONFERENCE

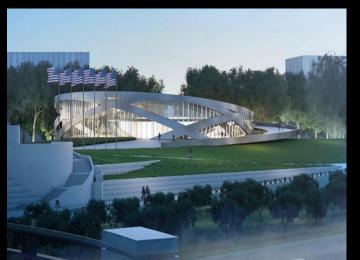
86











The Columbus Dispatch

Income Inequality: Despite thriving economy, many in central Ohio struggle in low-wage jobs

"A Crisis of Success"

"Columbus ranks second behind Austin nationally when it comes to economic segregation. (concentration of poor and wealthy in distinct neighborhoods)"

"The city is one of the least promising places in the nation for kids who start near the bottom to climb the financial ladder."

"A lot of people are struggling down here---to them a bike is a necessity. It's not something they do for pleasure."



Immigrants and the economy in:

Columbus Metro Area

Immigrant Residents

151,231

Immigrant Spending Power (2014)

\$3.2B

Immigrant Share of Population

7.6%

Immigrant Entrepreneurs

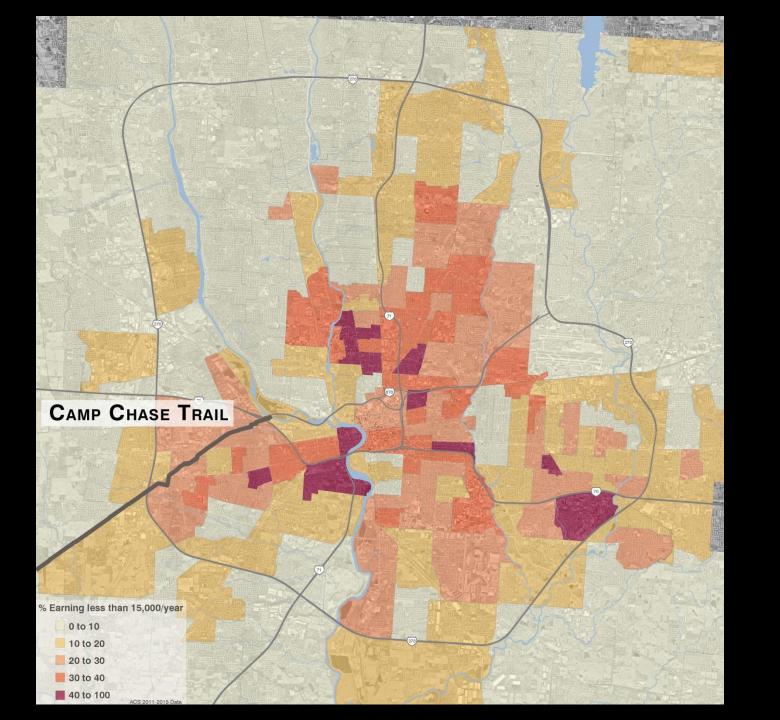
9,114

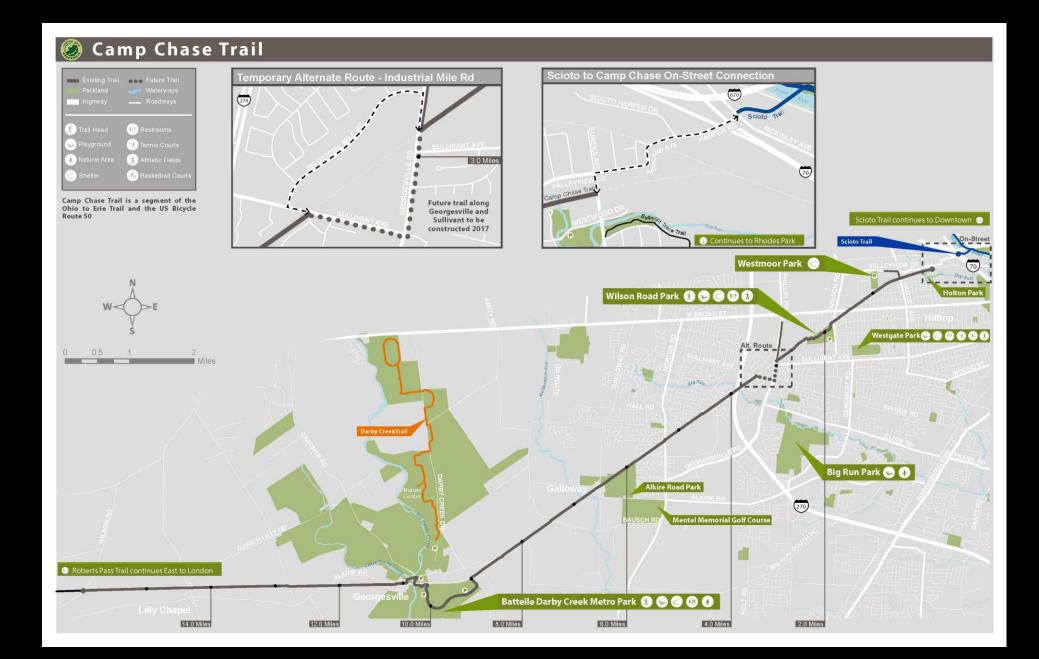
Immigrant Taxes Paid (2014)

\$1.2B

2nd largest Somali community in US.





























2020

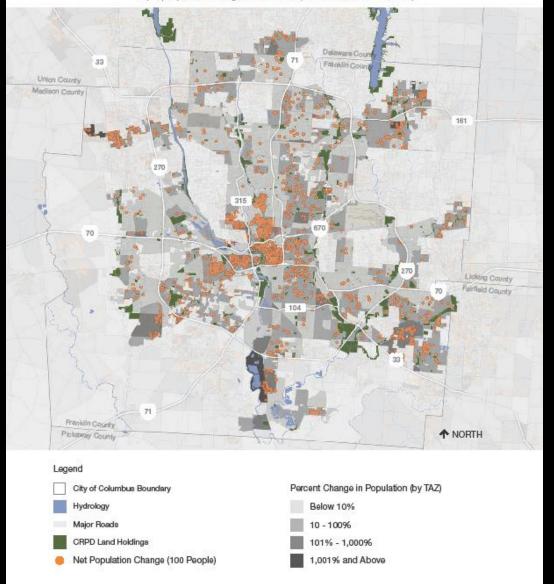
Parks & Connections

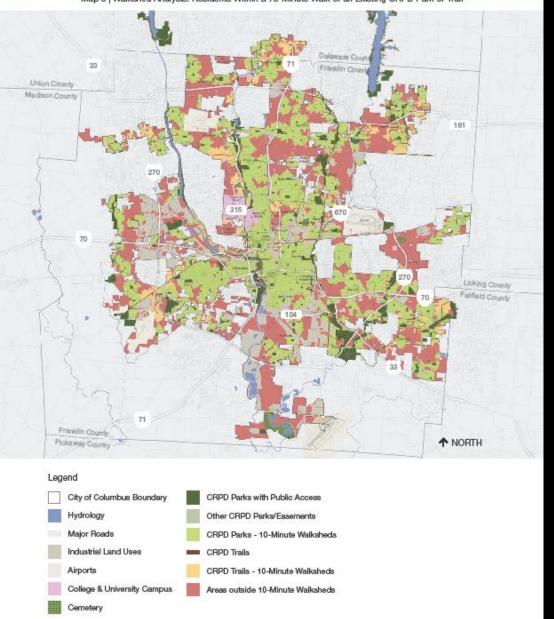
Natural Lands

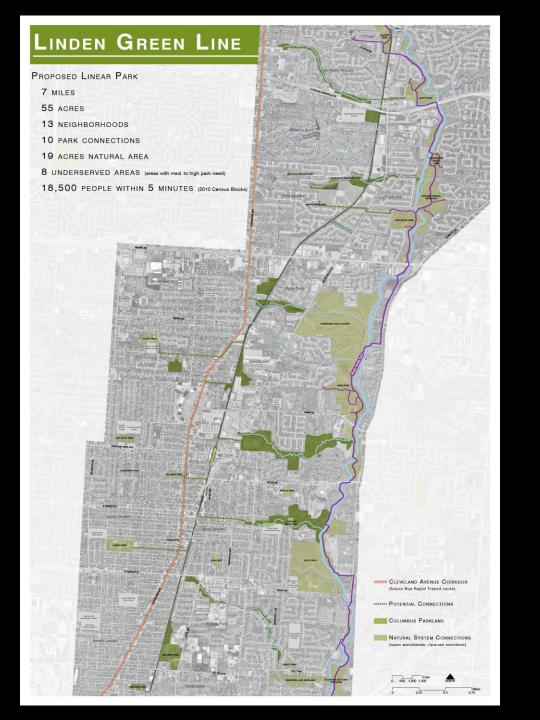
Trees

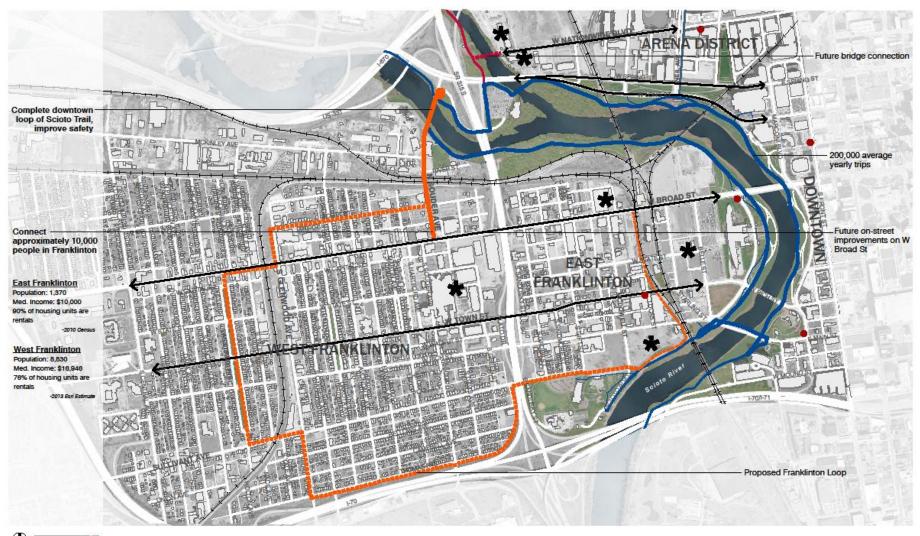






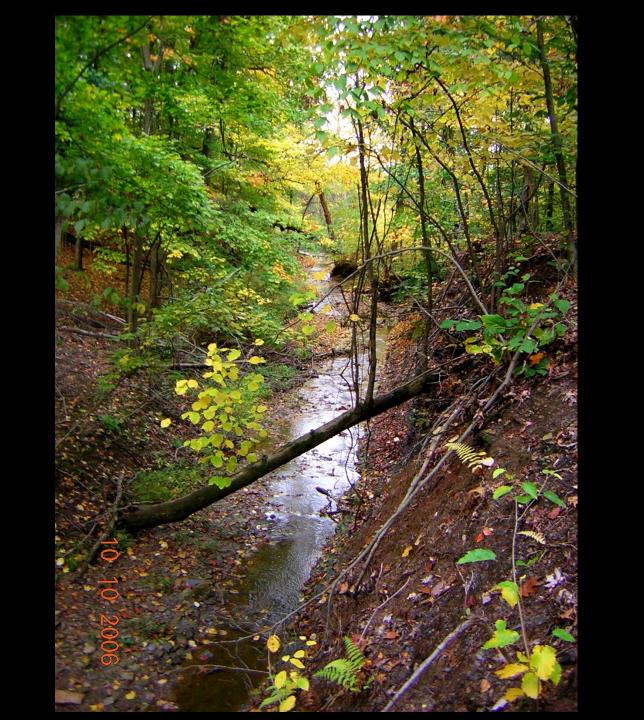










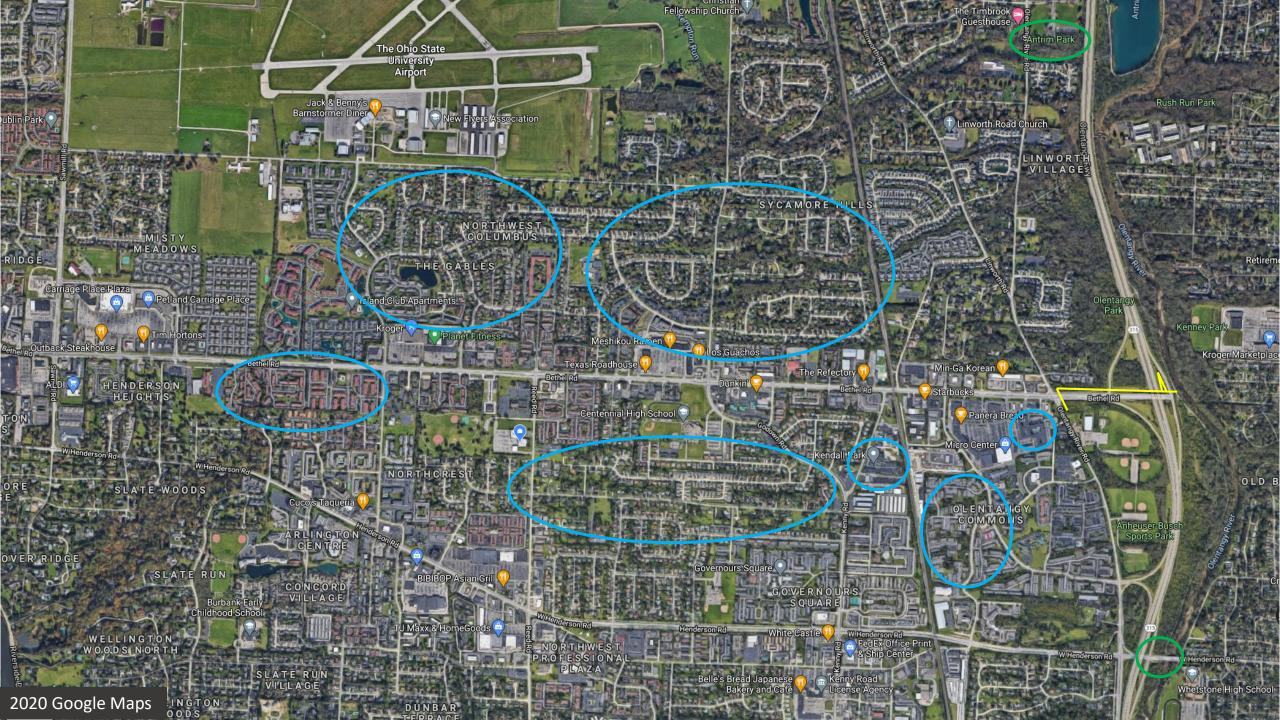


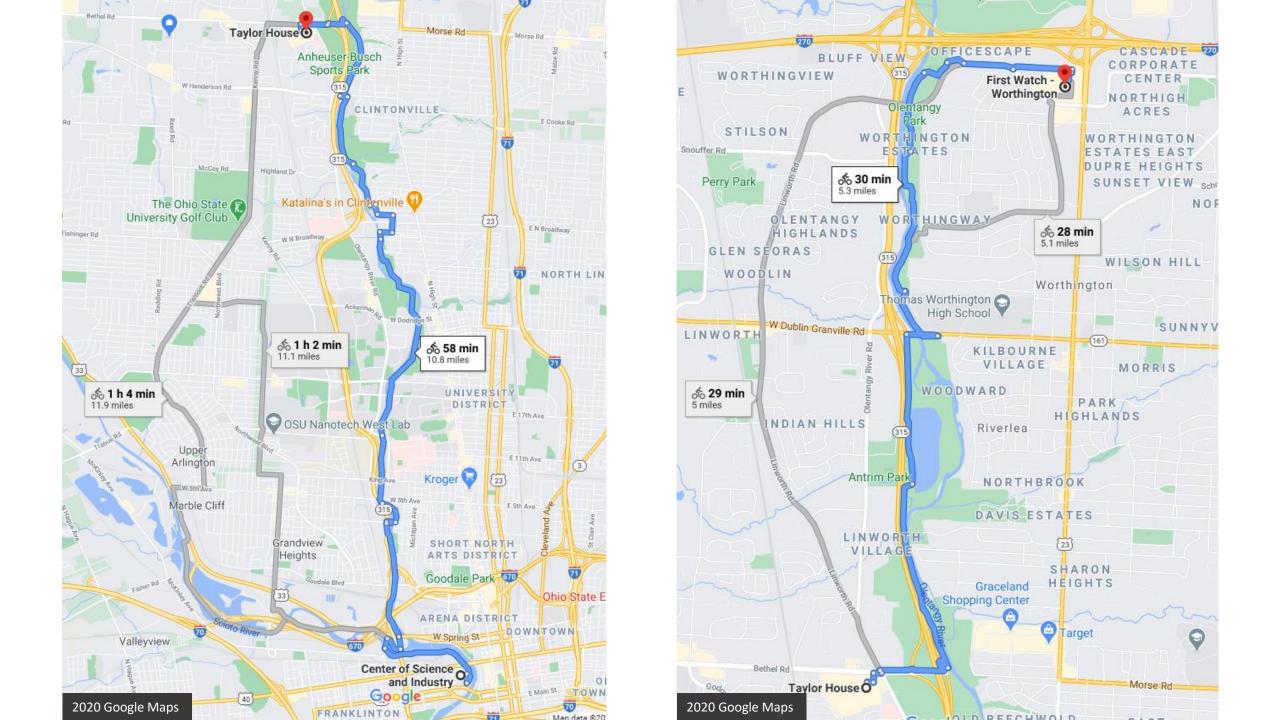


Olentangy / Bethel Road Connector

- Olentangy Trail 300,000 combined bicycle / ped users
- Bethel Connection:
 - Connects ~30,000 people to trail
 - Widen 1 mile portion of trail from Antrim Park to Bethel Road
 - Direct connection to 13 parks, downtown Columbus, Ohio State University, City of Worthington







Olentangy / Bethel Road Connector

- Took advantage of right-of-way
- Minimize bicycle / pedestrian conflicts with vehicles
- Created new tunnel crossing



Olentangy / Bethel Road Connector

Repurpose bridge width

Minimal overlay

New barrier / parapet

Existing trail widening



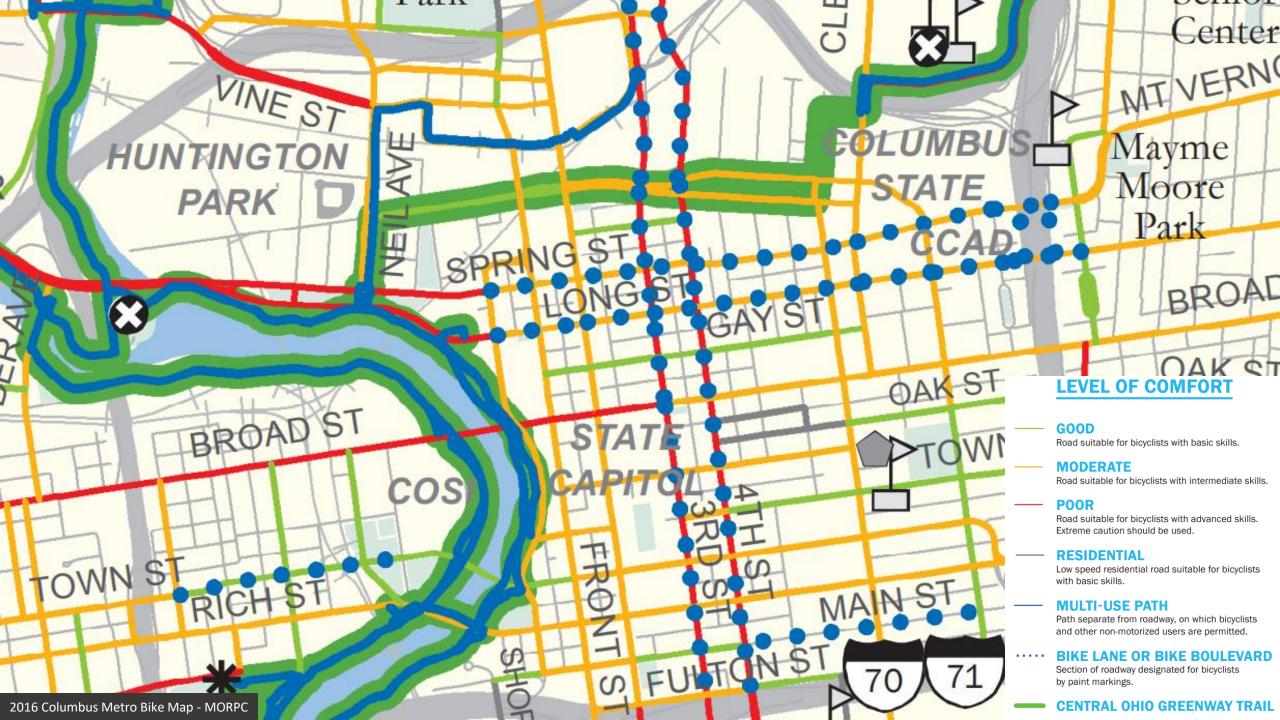
Arena District

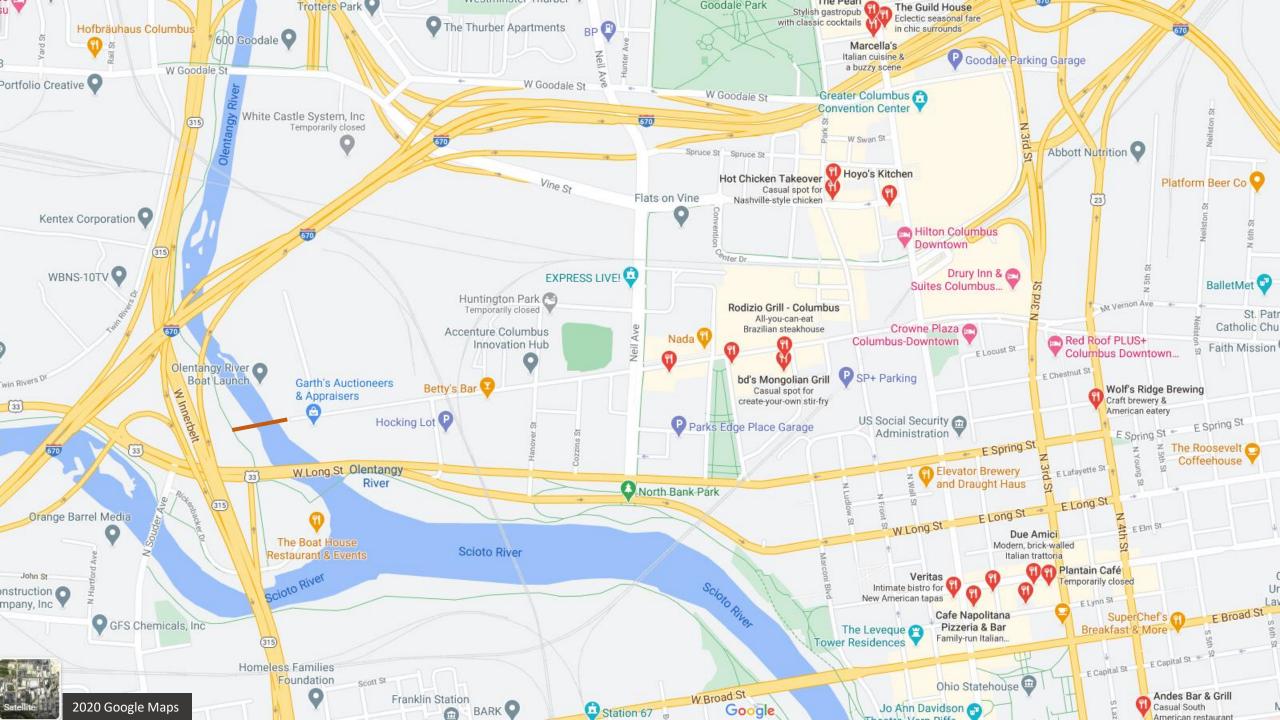
- New connection from Olentangy Trail to new Confluence Village
- Reconstruct existing boat ramp and livery
- New park / greenspace elements















Arena District Renderings





Building Through Partnerships

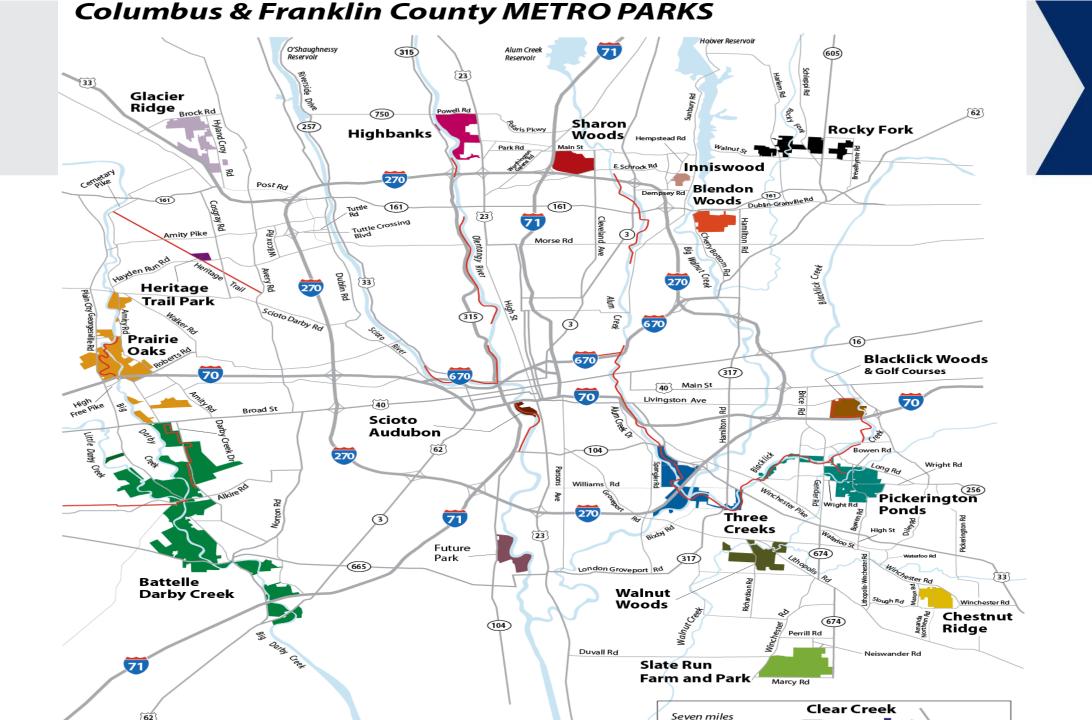
Columbus ad Franklin County Metro Parks



Metro Parks Involvement in Regional Trail Systems

- Overview of Metro Parks
- Historic Perspective of Metro Parks Involvement in Regional Trail Systems
- Benefits Associated with Regional Trail Systems
- What Does the Future Hold?





























Overview of Metro Parks

- Political Subdivision of the State of Ohio
 - Ohio Revised Code Chapter 1545
 - Approximately 55 Park Districts in Ohio
- Established in 1945
- Currently Manage 19 Parks in 7 Counties of Central Ohio



Overview of Metro Parks (cont'd)

- Manage 28,000 acres of land
- 2,400 species call Metro Parks home
- Regional System of Natural Area Parks
- Primary Funding Source--.95 Mill Property Tax in Franklin County—10 year Levy
- Impact of Covid 19
 - 2020 Attendance 9.6 M—30% increase from 2019
 - 2020 Greenways 881K—32% increase from 2019





Historic Perspective on Trails and Metro Parks

- Long-standing partnership with Columbus Recreation and Parks, suburban communities, MORPC, and others
- Three Creeks Park, Initial Development of Regional Greenway Trail System, Scioto Audubon, Increased Involvement with Greenway Trail System, Involvement in the Ohio to Erie Trail











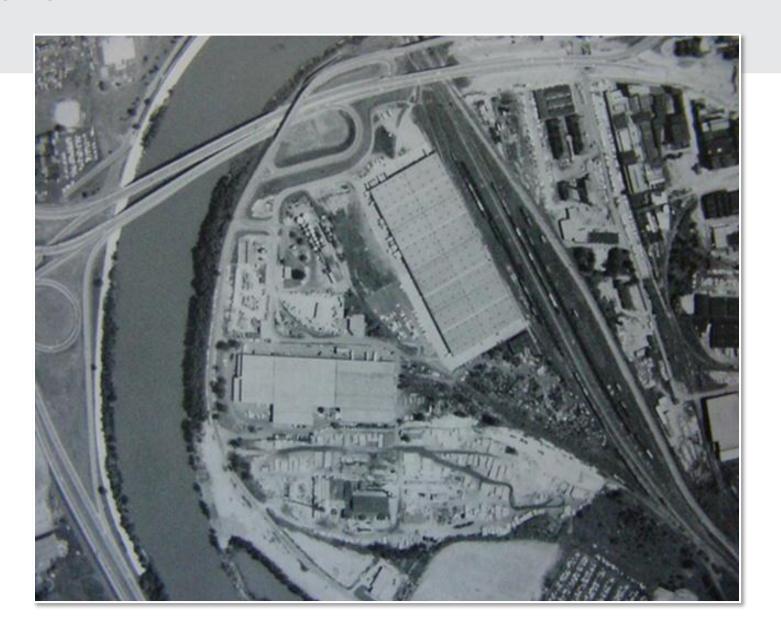


1938 Aerial





1964 Aerial





2004 Aerial





And Here Is Where We Are Today

























Historic Perspective (cont'd)

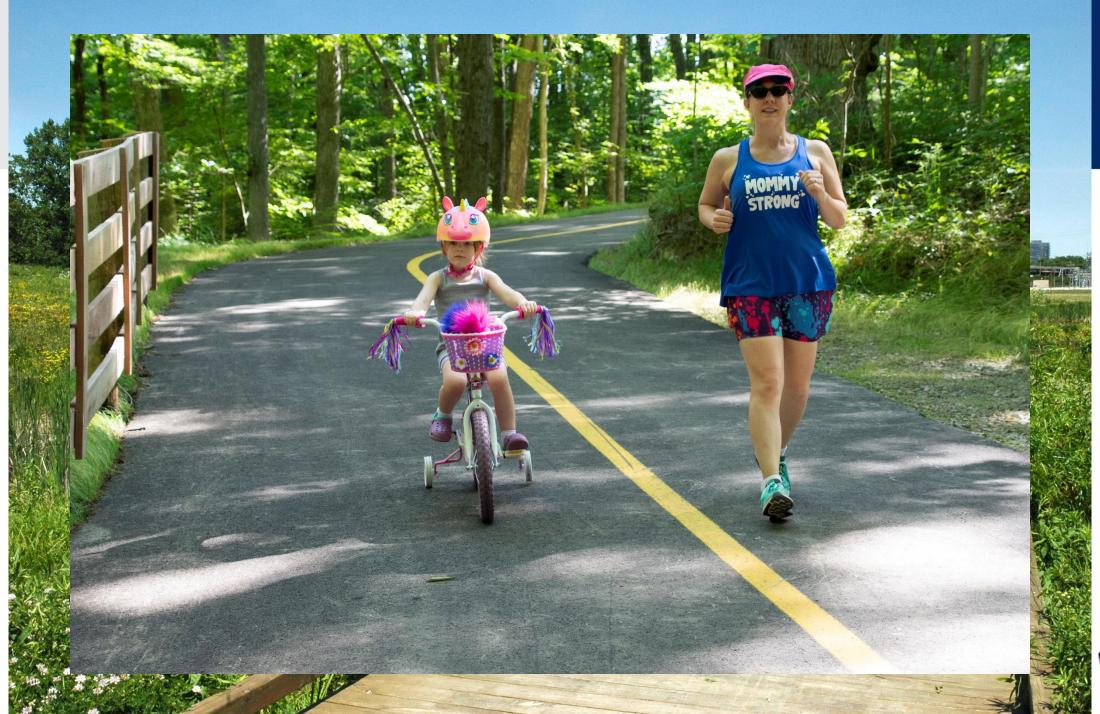
- Natural Fit as Metro Parks is regional in scope as are greenway trails
- Trails get Metro Parks in neighborhoods we don't have a physical park in—levy considerations
- Developed a Greenways Management Unit
 - Blacklick, Alum, Scioto, Olentangy Trails
 - Support provided by other parks as needed
 - Park ranger presence



Benefits of Trails

- Connecting neighborhoods, communities, increase in commuters
- Olentangy Trail >500,000 visits per year
- Health benefits
- Quality of Life
- Social Equity

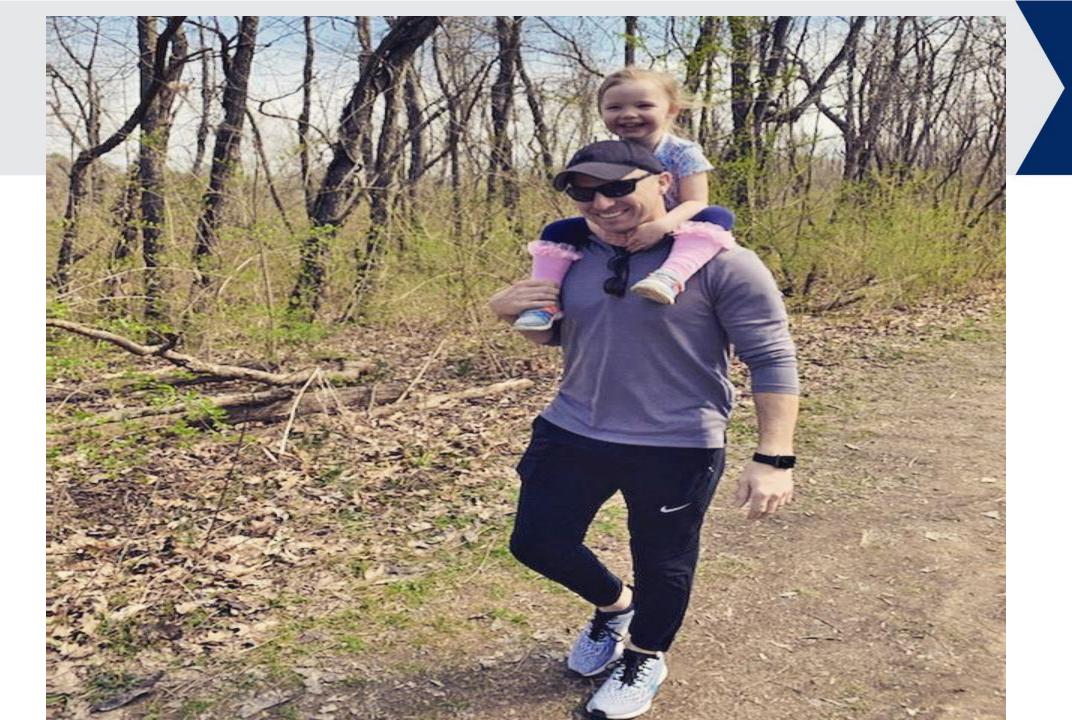


















Economic Benefits of Trails

- Workforce Attraction/Retention
- Health Care Costs
- Property Values
- Quality of Life
- Infrastructure Cost Savings/Traffic Congestion
- Utilization of Floodplains



Economic Benefits (Cont'd)

- Commercial Opportunities—relatively untapped in Central Ohio
 - Bike/Kayak Shops
 - Restaurants
 - CoGo and Similar Opportunities
- Safety Considerations



What Does Future Hold?

- Growth of Columbus and Central Ohio
- Competition with Other Cities for Talented, Mobile, Gen Zers and Millenials
- Connecting Underserved Communities
- Use of Waterways































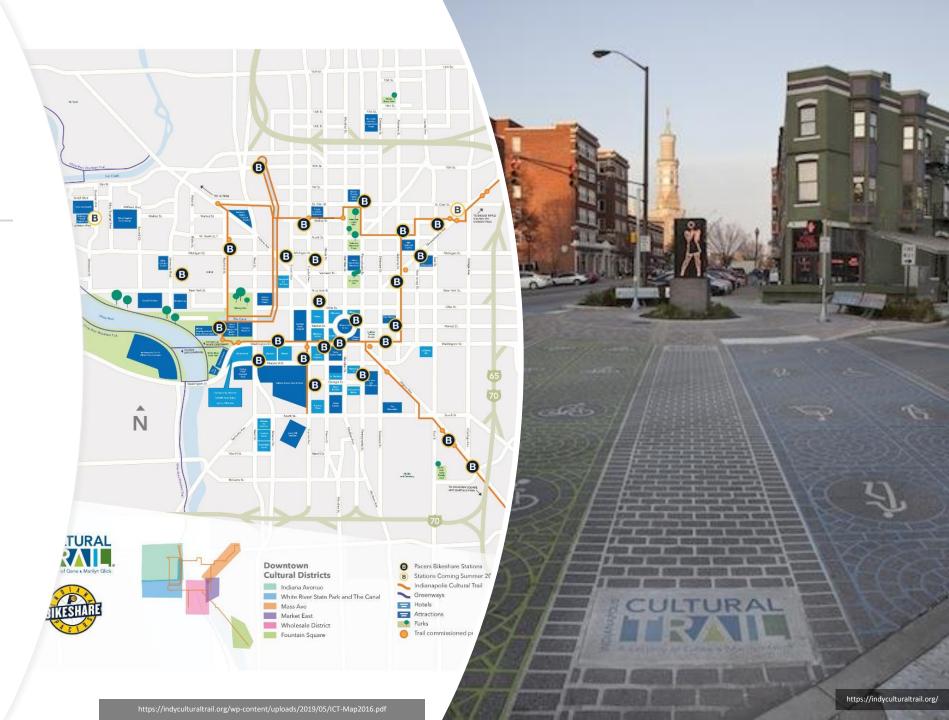
Success Stories

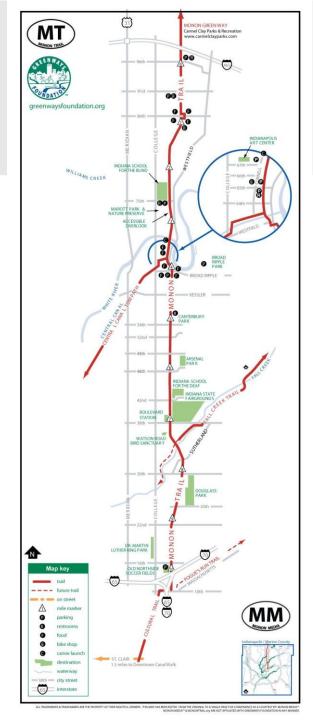
Indianapolis and Raleigh-Durham



Indianapolis Culture Trail

- Vision of the Indianapolis Cultural Development Commissioners & Central Indiana Community Foundation
- Planning began in 2001
- Funding thru contributions and TIGER (now BUILD) grant
- Complete 2013, total cost -\$65 million; \$35.5 million in grants, \$27.5 million private
- Managed by Indianapolis Cultural Trail, Inc. (non-profit)





Connections

Tie to Monon Trail – 26 miles

NEARBY

RESTAURANTS

ATTRACTIONS

HOTELS

- 1. Hellas Cafe
- 2. Daredevil Hall Ironworks
- 3. Yolk Ironworks
- 4. Ruth's Chris Steak House Northside
- 5. Sangiovese Ristorante Ironworks
- 6. The Cheesecake Factory Northeast
- 7. Benihana
- 8. Seasons 52
- 9. Napolese Pizzeria Fashion Mall
- 10. Sullivan's Steakhouse
- II. Keystone Cafe and Lounge at Sheraton India Hotel at Keystone Crossing
- 12. P.F. Chang's China Bistro North

NEARBY

RESTAURANTS

ATTRACTIONS

HOTELS

- 1. Whole Foods Market
- 2. Form + Function
- 3. Arthur Jordan YMCA
- 4. Live Nation
- 5. Indianapolis Auto Tours
- 6. The Fashion Mall, Keystone at the Crossing
- 7. lululemon
- 8. Circle City Tickets
- 9. Landmark's Keystone Art Cinema & Indie Loung
- 10. retro101 Keystone at the Crossing
- **11. Fastimes Indoor Karting**
- 12. Woodland Bowling Center

NEARBY

RESTAURANTS

ATTRACTIONS

HOTELS

- I. Homewood Suites by Hilton Keystone at the Crossing
- 2. Hyatt Place Indianapolis Keystone
- 3. Sheraton Indianapolis Hotel at Keystone Crossing
- 4. TownePlace Suites Indianapolis Keystone
- 5. Indianapolis Marriott North
- 6. Holiday Inn Indianapolis/Carmel
- 7. Courtyard by Marriott Indianapolis-Carmel
- 8. Staybridge Suites Indianapolis Carmel
- 9. Homewood Suites by Hilton Indianapolis/Carmel
- 10. Courtyard by Marriott Castleton
- II. SpringHill Suites by Marriott Carmel
- 12. Hotel Broad Ripple



Connections - Greenways

- 220 miles constructed with more planned
- Anticipated increase in property values, tax revenues, and job creation

HIGHLIGHT:

Once constructed, 90% of mixed-use trail construction costs (\$39.7 of \$44.2 million) may potentially be recovered as a result of tax revenues increases from higher evaluations on nearby property.



Indianapolis Culture Trail – Economic Impacts

NEWS

Study: Property values along Cultural Trail up \$1B

John Tuohy john.tuohy@indystar.com

Published 10:02 a.m. ET Jul. 23, 2015

View Comments







Property values have increased by \$1 billion, businesses report more customers and higher sales, and residents feel safer Downtown since construction of the 8-mile Cultural Trail, according to a survey conducted by Indiana University Public Policy Institute.

Thirty percent of the Indianapolis users indicated they planned on spending money while on the Trail. Over half (63 percent) of those respondents indicated the spending would occur at a restaurant. Of the total visitors surveyed, 47 percent indicated that they had or planned on spending money during their trip on the Trail. Visitors had a higher total anticipated economic impact than Indianapolis area users. At the highest usage segment, the economic impact could be \$1.9 million compared to the Indianapolis user amount of \$1.2 million for the same segment.

Exercise and recreation is the primary reason for use

Given the continued emphasis on the need for increased physical activity, it is encouraging to see exercise and recreation as the primary use for those who were surveyed. As most users surveyed were walkers, these numbers underrepresent those running or biking on the Trail. For that reason, the numbers exercising on the Trail are likely higher.

Over half of the respondents use the Trail every day or several times a week. Those who use the Trail every day represent one-quarter of survey respondents. Using the Trail to commute to work was the second highest use for Indianapolis and metro area residents.

".... Cyclists and pedestrians move around without traffic. Had it not been for the Trail, I would not have visited the City Market, and would have driven for errands."

"We opened the business with the intent of being in a building somewhere along the Cultural Trail. Doing this has been an advantage in attracting pedestrian and cyclist traffic."



Raleigh-Durham Greenway

112 Miles of trails

Connections to adiacom systems

Began in 1975

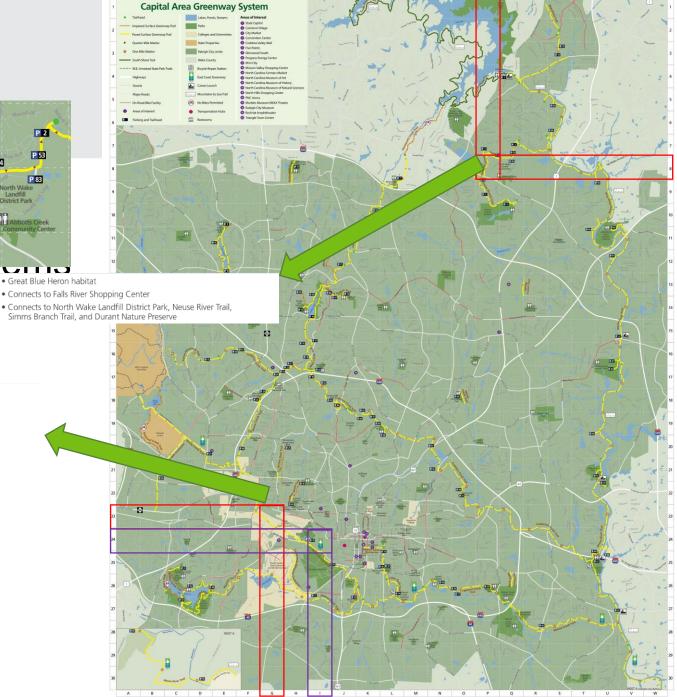
P 4

· Connects to Falls River Shopping Center

P 2

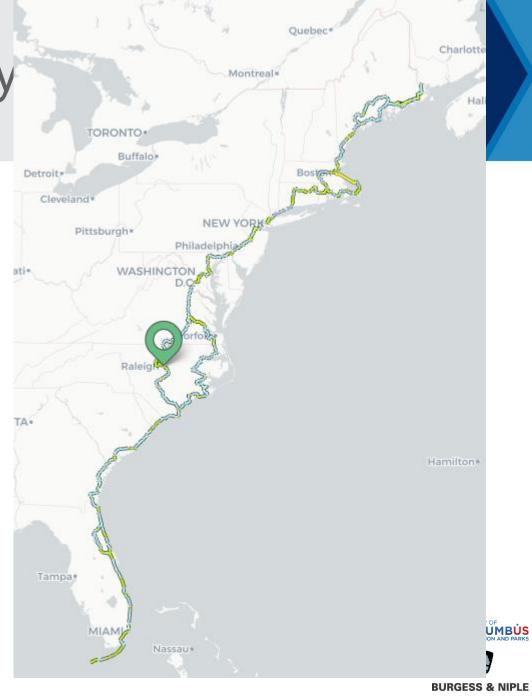
· Views of Raleigh's skyline · Connects to Pullen Park Rocky Branch Trail . Connects to Walnut Creek Trail and Reedy Creek Trail · Passes through the campus of NC State University · Segment of the East Coast Greenway Trail





Raleigh-Durham Greenway

- East Coast Greenway
 - Calais, Maine to Key West, Florida
 - East Coast Greenway Alliance 1991
 - 3,000 miles
 - Note connects to Ohio Greenway Trail in Maryland (C&O Canal)
 - Ohio Greenway Trail is connected to US Bicycle Route System
 - ODOT has been establishing US Bicycle Route System agreements in Ohio
- Mountains-to-Sea Trail
 - Great Smokey Mountains to Outerbanks
 - 669 miles







Thank You!

Questions?

