### NEWARK LIBERTY AIRPORT

# arriving at aerotropolis

### Urban Design Studio Fall 2017/Spring 2018



Edward J. Bloustein School of Planning and Public Policy



dayton team

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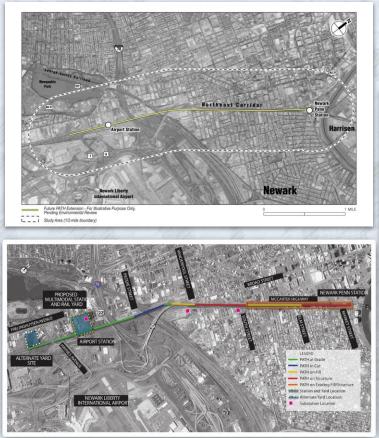
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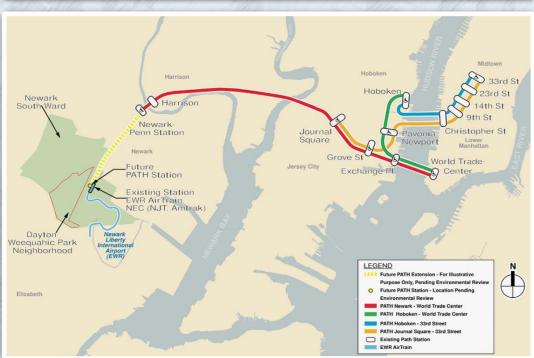
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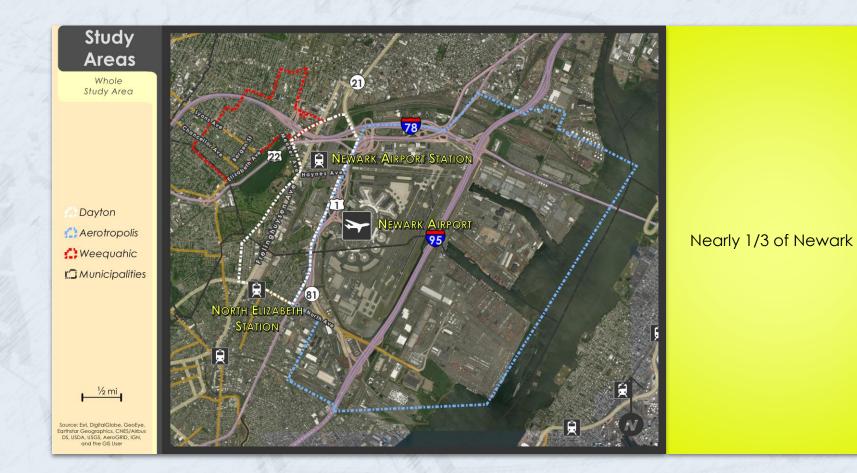
#### spring 2018

## PATH RAIL EXTENSION



# Connecting Dayton to Over **270,000** Daily PATH Riders by 2026





#### 

## BACKGROUND & PROCESS

#### Initial Task

Leverage proposed extension of PATH rail into transit-oriented redevelopment for the Dayton-Weequahic Park neighborhood

#### Thank you

- Upendra Sapkota, AICP, LEED AP
- Juan O'Neill
- City of Newark Economic & Housing Development
- Office of Planning, Zoning, & Sustainability (OPZS)



# BACKGROUND & PROCESS

#### Seth Boyden Terrace

Public housing project developed in the 1930s that closed in 2012

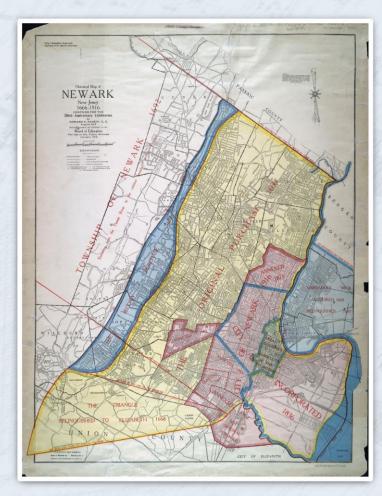
#### Weequahic Park

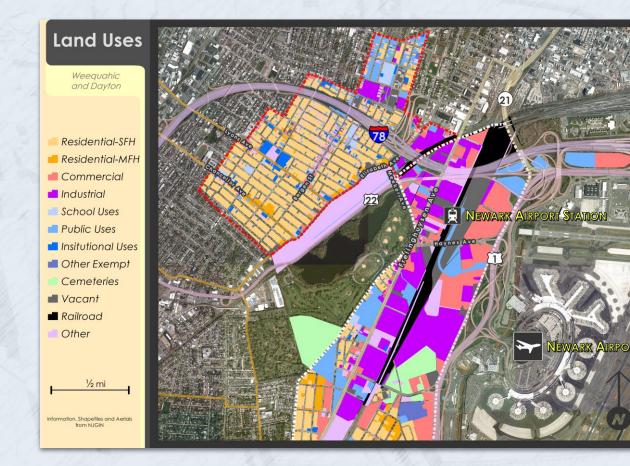
Designed by firm of Frederick Law Olmsted, Jr. in 1905

#### White Flight/Disinvestment

• Once major Jewish community

 Hit hard by political upheaval, deindustrialization in 1960s/70s





Primarily industrial

Low density housing

- Senior housing
- Rail barrier
- Hospital



- Underutilized industrial parcels
- Vacant land with few improvements
- □ Surface parking

# DEMOGRAPHIC SNAPSHOT

	Weequahic	Dayton	Newark	Elizabeth	NYC Metro
Median HH Income	\$34,443	\$13,689	\$33,025	\$43,831	\$69,211
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Average Commute Time	41 min.	54 min.	35 min.	27 min.	36 min.
	Stay Sha	1.51.000.000	Mary All	ant with	The Long on
Unemployment Rate	15.4%	13%	10.7%	7.1%	5%
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% in Labor Force	68.1%	41%	62.4%	69.7%	64.8%

Data from 2016 ACS, aggregated from Social Explorer



# Street Network

#### Dayton

- General conditions Irregular blocks, deterioration, inadequate street lighting, lack of green infrastructure, unsafe crossings, lack of connectivity, no bike lanes
- Frelinghuysen lined with vacant or abandoned development on most sections
- Dayton Poor access to park, crime hot spots

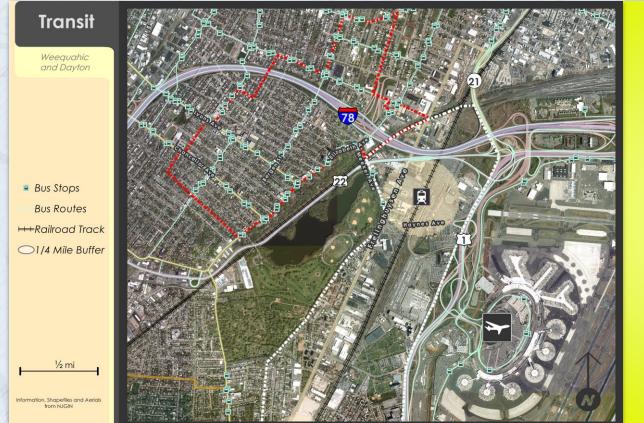
#### Weequahic

- Bergen poor pavement condition
- Lyons no bus shelters
- Elizabeth no bike lanes
- Chancellor poor streetscape









# No train station access

- Gap in bus network
- Most bus stops have no shelters
- Many routes over 40% recovery on the ticket revenue

## BACKGROUND & PROCESS

#### **Connected with Experts**

- Benjamin DeCosta, former Aviation General Manager of Newark International Airport
- Shelley Lamar, Executive Director of the Aerotropolis Atlanta Alliance
- Adelee Marie Le Grand, AICP, Chief Strategy Officer/Vice President of Transdev
- Louis E. Prezeau Jr., Director of Community and Economic Development, La Casa de Don Pedro
- **Design Charrette**
- Aerotropolis





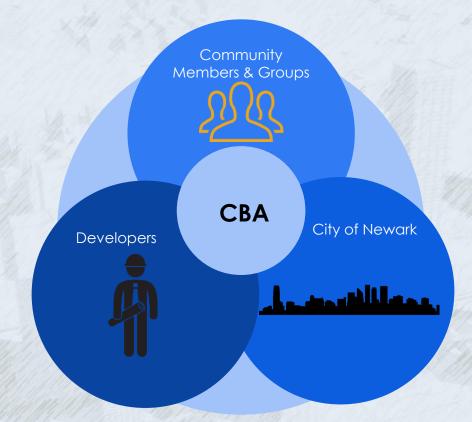




### PRINCIPLES

- Embrace a Dynamic and Urban Future
- Prioritize Affordability and Accessibility
- Recognize the Airport as the Catalyst
- Incorporate the Future PATH Station into the Fabric of the Community

### COMMUNITY BENEFITS



CBA's are facilitated by the city and created based on negotiations between a developer and community organizations that represent the individuals impacted by the proposed development

### Solutions

Job creation	First source hiring program		
Job training	Coordinate job training programs with appropriate community-based organizations & anchor institutions		
Affordable housing	<ul> <li>→ Increase affordable housing requirements</li> <li>→ Explore dynamic housing solutions</li> </ul>		
Expanding access to mass transit	<ul> <li>→ Locate stops around concentration of jobs &amp; activities</li> <li>→ Set asides for transit passes</li> </ul>		
Parks + green infrastructure	Mitigate environmental constraints Improve active transportation network		
Land banking	New parks and affordable housing	Sala Contration	
Beautification	Murals, tree plantings, rain gardens	14 4 24	

#### Potential Community Groups

Newark Community Economic Development Corporation, Youth-Build Newark, Newark Alliance, Newark Training Center (Newark 2020), Leadership Newark, Newark Regional Business Partnership, Habitat for Humanity for Greater Newark, Greater Life & other faith-based organizations, Greater Newark Conservancy, Forward Ever, cWow, Gateways to Newark



- Mostly low density housing
- Encourage more mixed use
- Low Density Commercial



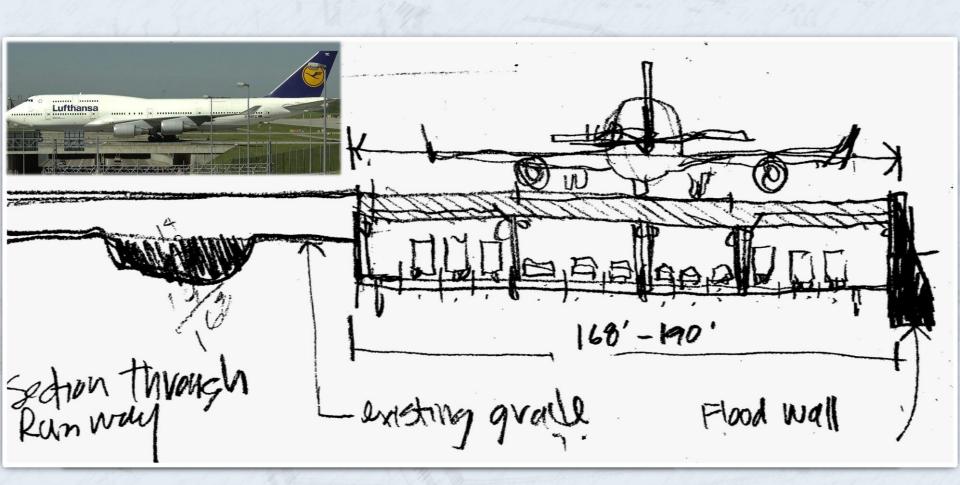
### Fall 2017 Studio

- ✓ Integrate with Aerotropolis fabric
- Revise zoning
  - ✓ Allow use flexibility
  - ✓ Embrace growth
- ✓ Incorporate community benefits



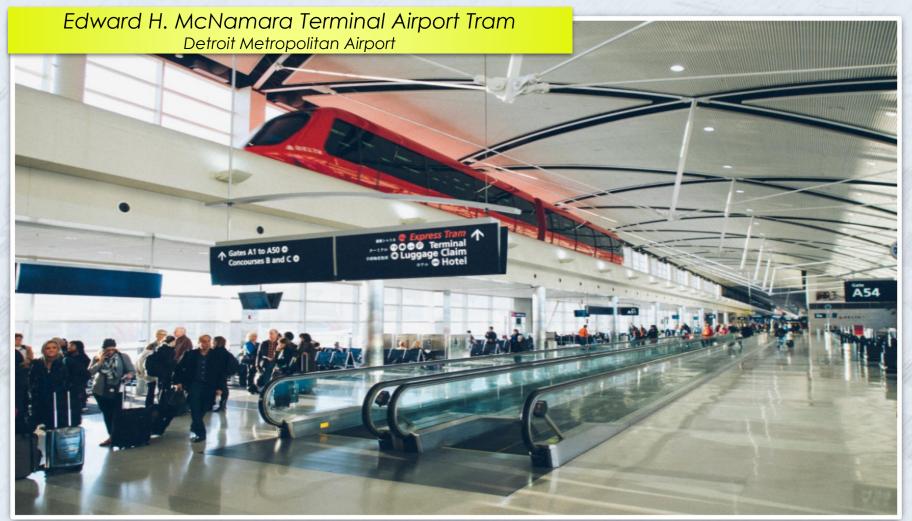
#### PATH to Park Axis













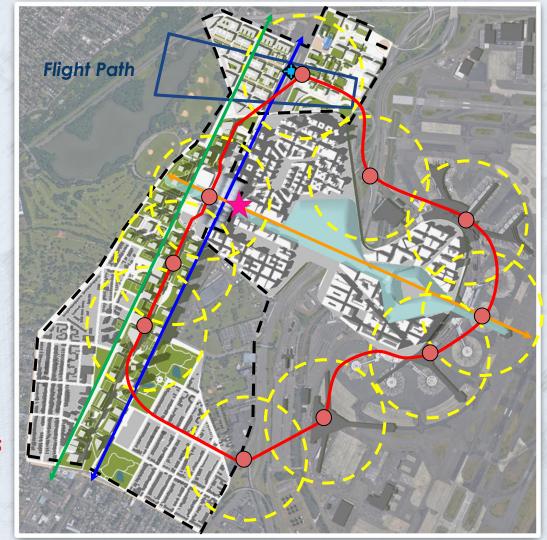
# SITE PLAN



**Old Station** 

### Multimodal Hub

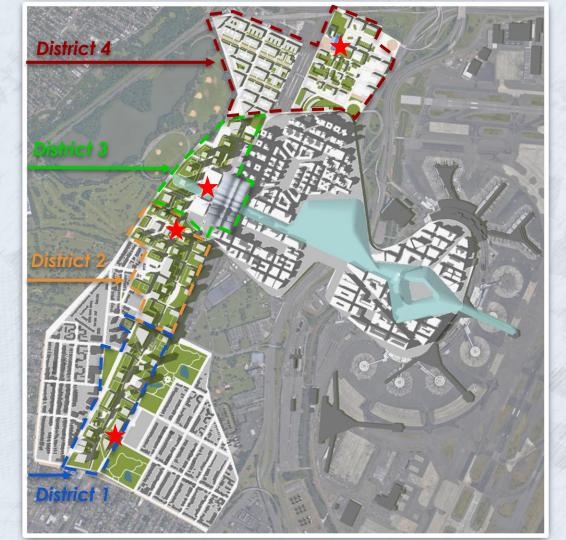
- Existing NJ Transit Line
- $\longrightarrow$  BRT System
  - → Cable Car Dayton st - EWR
    - **People Mover** Connects Neighborhood to Terminals
- People Mover Stations
  5 min walk



## DISTRICTS

- Activity Nodes in each district
- → District 1 The Southern Ramble
- → District 2 Frelinghuysen Center
- → District 3 Parkside Heights
- → District 4 Weequahic Junction
- **Overall Program Characteristics**

Total Site Area : 1,054 Ac Developed Area : 330 Ac Built-up Area: 45 MSF Green Space and Open Space : 16 MSF

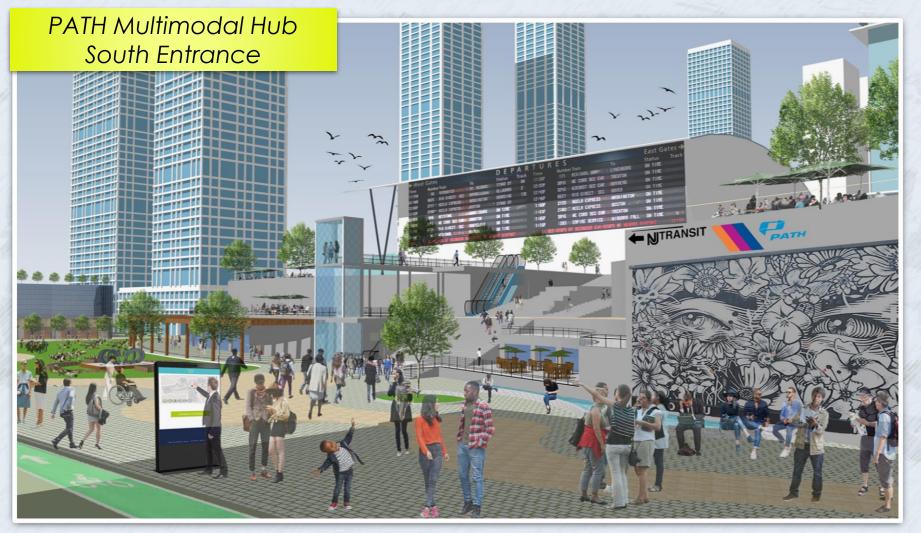






#### PATH Multimodal Hub Frelinghuysen Entrance





### NEXT STEPS DAYTON-AEROTROPOLIS

#### 2018 to 2020

- Establishment of CBA/New Zoning
- ✓ Designate Redev/Rehab area
- Plan phase 1 developments
- Develop PUDs with Developers/Cities
- Establish aerotropolis working group with stakeholders

#### 2020 to 2022

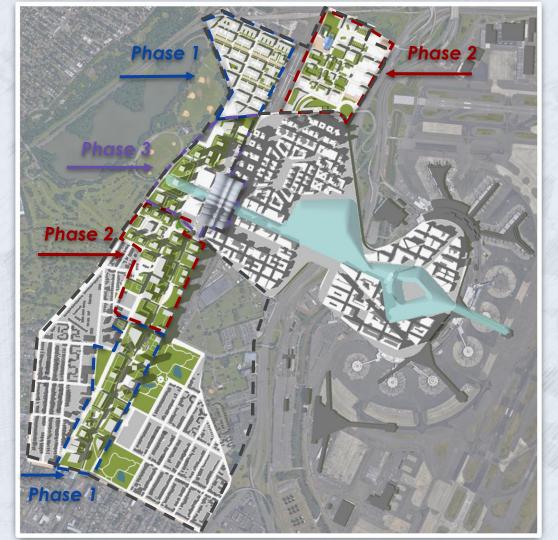
- After city approval, construct phase 1
- Begin Street and Promenade Redesigns
- Construct the BRT/Implement AV/HOV/Bus lane

#### 2022 to 2024

- Construct phase 2
- Finish new street grid and streetscapes
- Construction of PATH Station begins in district 3

#### 2025 to 2030

- Phase in construction of podium platform as development proposals come in
- Gradually build out all of Newark aerotropolis
- Complete PATH Station
- Complete contstruction of phase 3, highest intensity development



### WEEQUAHIC

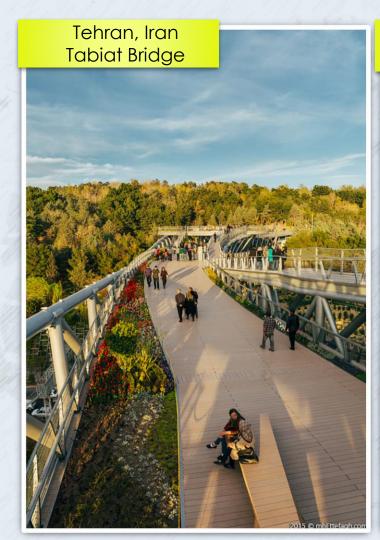
- ✓ Mixed Use along Commercial Corridors
- ✓ Mid to High Rise along the Park .
- ✓ Safety through Bridge Underpass Plazas
- ✓ Connectivity through Pedestrian Bridge
- ✓ Street Improvements



Chancellor Bergen Elizabeth Meeke Weequahic Park



#### Gibson Square Bridge Underpass





### NEXT STEPS WEEQUAHIC

Begin Rezoning Commercial Streets

Work with EDC and South Ward SID to Increase Commercial Activity

Develop Park Network

Collaborate with Port Authority on CBA

Apply for Funding



# thank you!



UTGERS

Edward J. Bloustein School of Planning and Public Policy "Studio contributed to shaping the future of Newark – helping us to work together for the common good"

> - Yvonne Moore Dayton Neighborhood 25 April 2018

