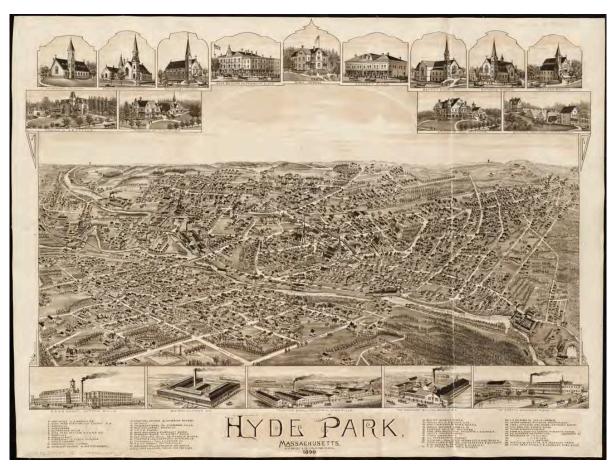


Hyde Park, MA (1868)





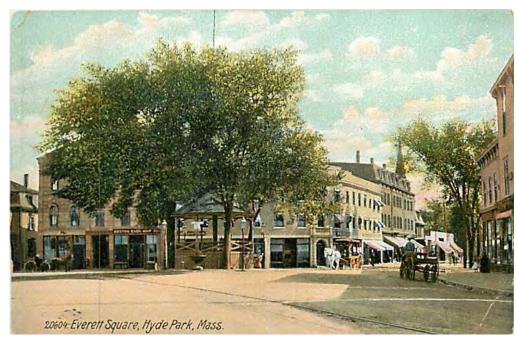
1879



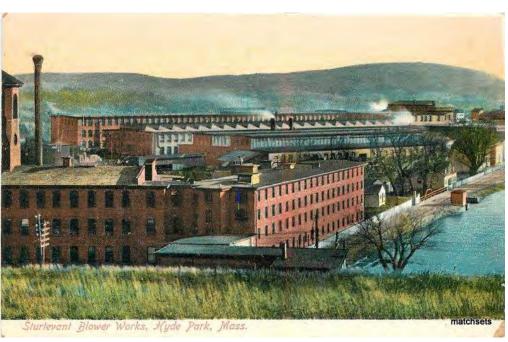
Late



19th Century









Early

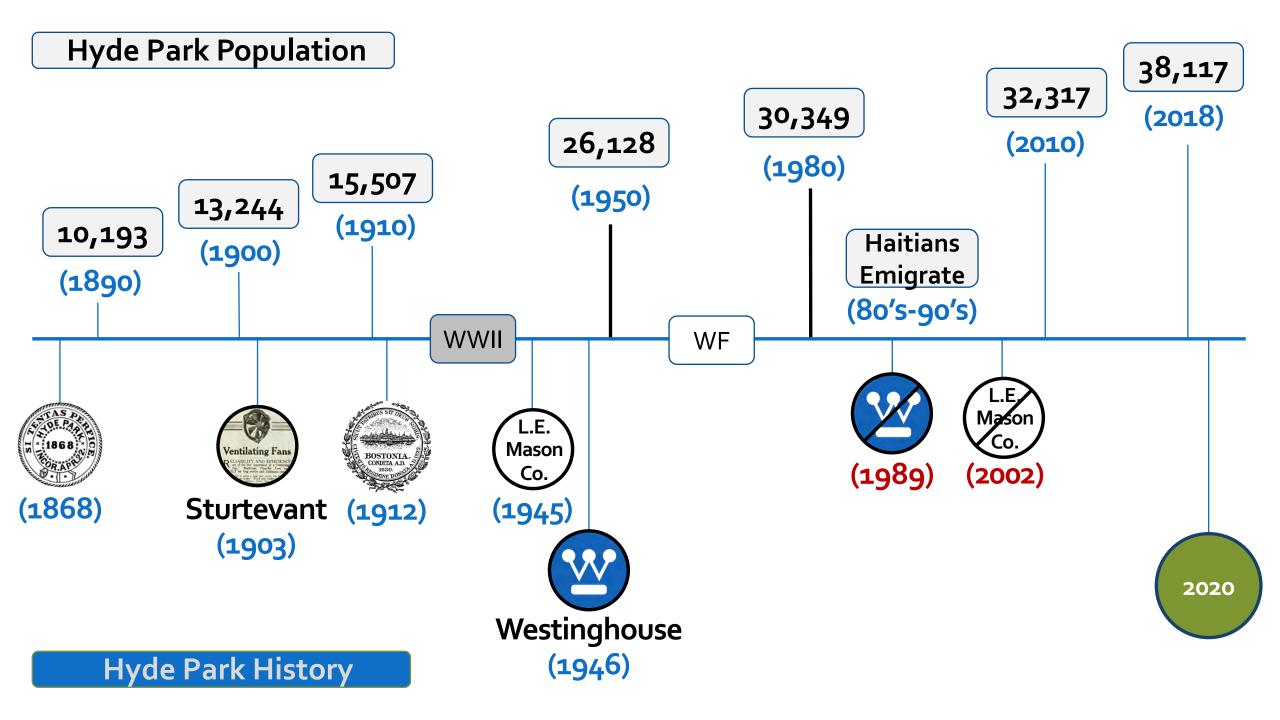


20th Century









Hyde Park



Annexed – 1912 City of Boston

Demographic Information



38,117 people



28.9%



African-American 45.3% Hispanic or Latino 25.8%

Non-Hispanic White 24.5%

Other Races

4.3%



\$31,622

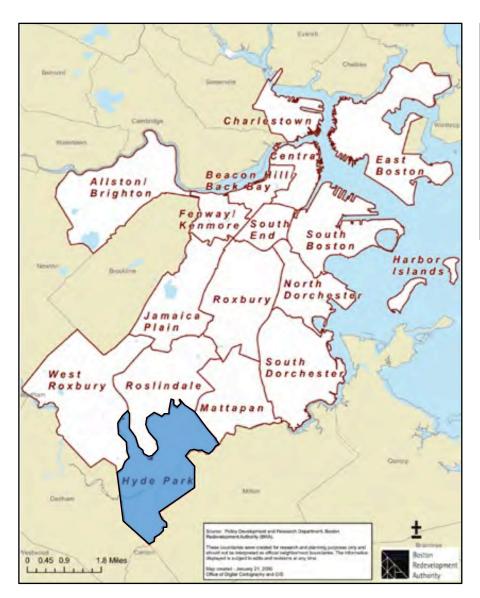


13.9%

Hyde Park



Annexed – 1912 City of Boston





7.9 Miles South of Downtown Boston



West Roxbury Million

"A Small Town in the City"

One-Family Zoning





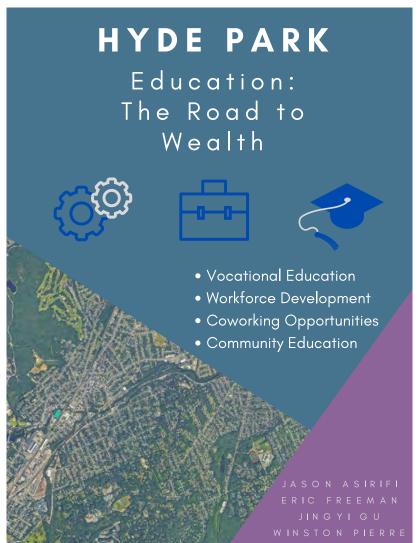
Central Business District

Neponset River Watershed



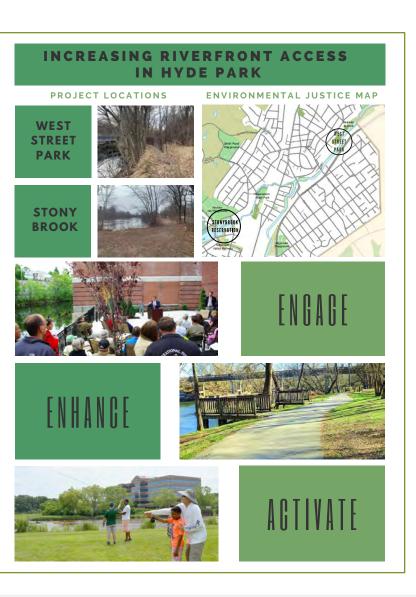
Economic Development



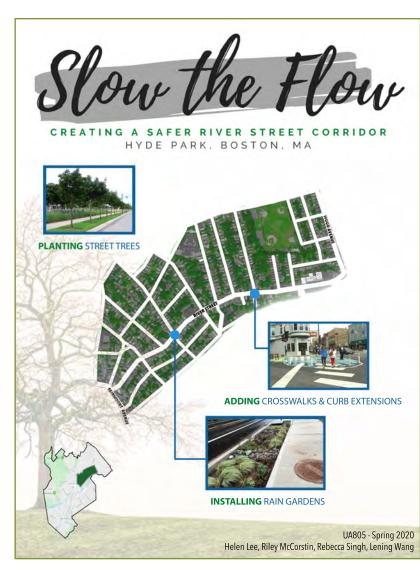




Environmental Planning









Hyde Park, Boston Enjoy the Presentations!





WALKABLE HYDE PARK

MORE FOOT TRAFFIC MEANS MORE BUSINESS.

Anthony Alamia, Liz Bagley, Angela Servello, and Liu Yan



Overview

- I. Our Vision
- II. Challenges to Address
- III. Project Goals and Strategies
- IV. Case Studies
- V. Estimated Budget
- VI. Community Impact



Our Vision

Strengthen Hyde Park's Central Business District by promoting it as a vibrant center of activity.

Pedestrian-friendly design, inviting public space, a strong business community, and engaging programming will draw residents and visitors alike to the district.



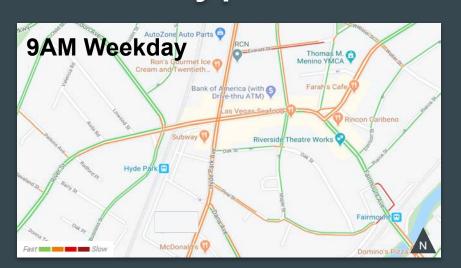


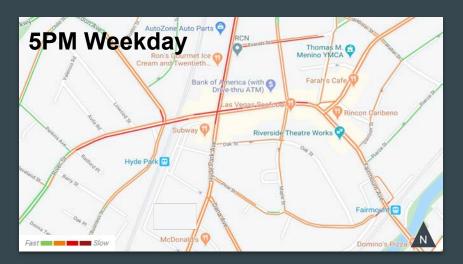






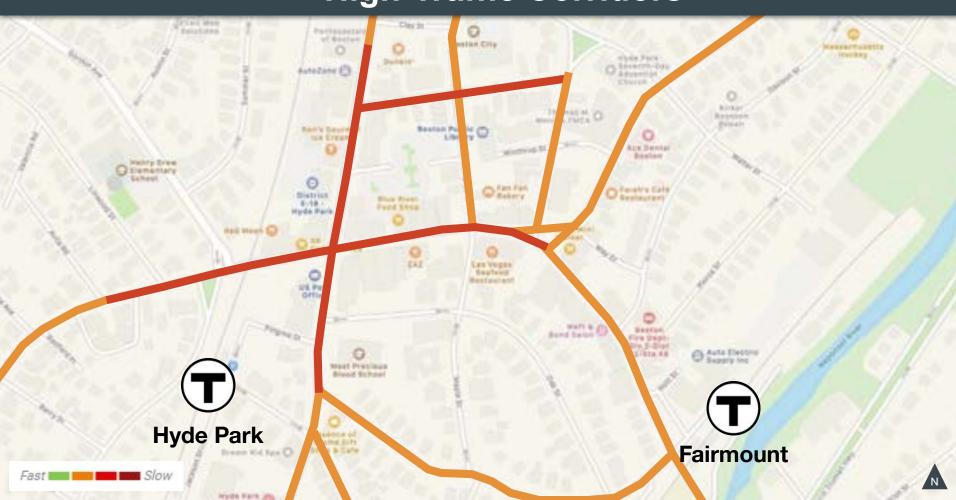
Typical Traffic Conditions







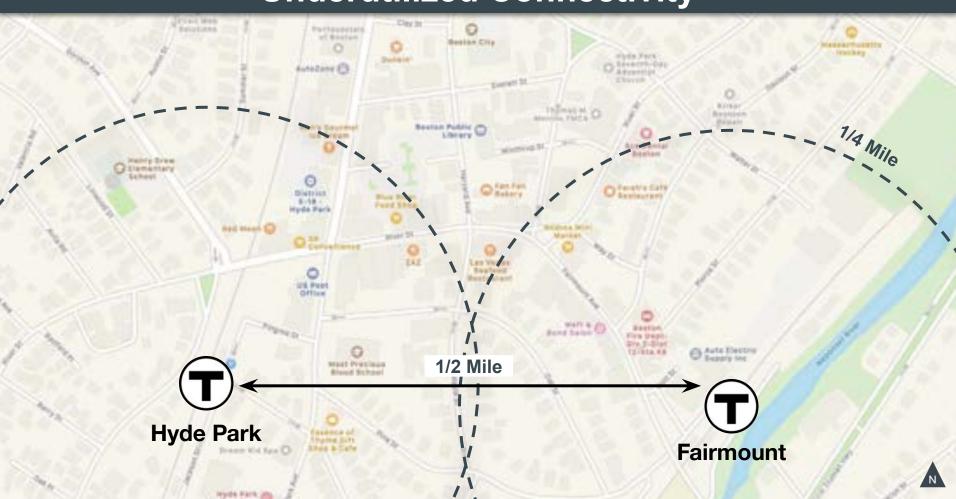
High-Traffic Corridors



Crashes in the Hyde Park CBD Since 2010



Underutilized Connectivity



Challenges to Address



Unsafe conditions for pedestrians

Limited social options



Underutilized space and on-street parking

Missed opportunities for community revenue



Little connectivity
across the CBD
despite nearby transit
options

Project Goals



Improve pedestrian infrastructure in the CBD

Cultivate a unified "feel" of the CBD through wayfinding and community programming



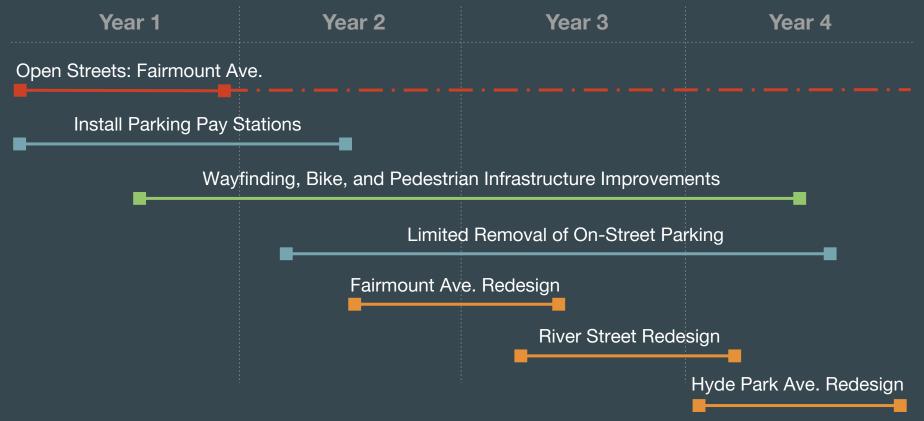


Shift parking demand away from on-street spaces by encouraging use of surface lots

Complement nearby TOD by increasing connectivity between the CBD's commuter rail stops



Project Schedule



Parking Plan

River Street & Fairmount Ave.



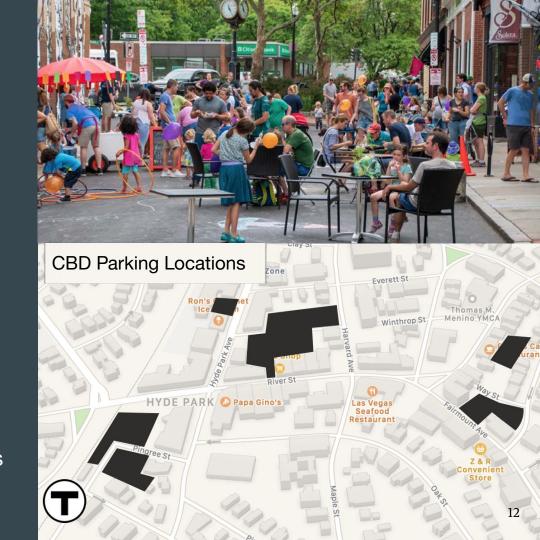
Phase 1: Open Street Days



Phase 2: Introduction of On-Street Parking Pay Stations for Revenue



Phase 3: Bike Shares and New Pedestrian Amenities

















Case Studies

Huntington Village, NY

- Installation of parking meters
- Reduce idling
- Funds for reinvestment
- Town acquired private lots



Middleborough, MA

- Has seen a pop increase
- Parking mins decreased
- Changes in zoning
- Increased use of downtown



Case Study Findings

- Add Parking Terminal
- Overlay District for Hyde Park
- Decrease 1-1.5 Parking
- Temporary & Short-term Opening of Road to Pedestrians
- Long-term Reduction of On-street Parking
- Activate Streets









Benefits to the Community

Insetings Manual Park	六		
Open Streets: Fairmount Avenue	+	+	+
Parking Pay Stations		+	
Redesign: Fairmount, River, Hyde Park	+	+	+
Bike and Pedestrian Infrastructure	+	+	+
Wayfinding Improvements		+	+

Estimated Budget and Revenue

	Cost
Parking Pay Station (70 spaces)	\$5,950
Fairmount Avenue Redesign (~1,400 ft)	\$14 mil.
Hyde Park Avenue Redesign (~2,000 ft)	\$16 mil.
Bike and Pedestrian Infrastructure (~3,400 ft)	\$5 mil.
Wayfinding Improvements (~3,400 ft)	\$25,000
Total	\$35 mil.

Annual Revenue Generation

Revenue generated for local businesses at \$2.50/hr (+\$.15 fee) per year =

~\$260,000









Impact & Benefits



People

Foster greater social options for an already tight-knit community.



Businesses

Increased foot traffic and revenue from parking meters for reinvestment.



Transportation

Connection of the rail station and multi-modal options allowing for easier access.

Short-term

- Increased foot traffic and longer time spent in CBD.
- Have people walk in from surrounding neighbors.

Mid-term

 Greater multi-modal travel through the use of bike sharing and way-finding.

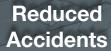
Long-Term

 Push more reliance on parking lots and less on street parking.





Thank You





Business Focused



Better Connectivity

Education:

The Road To Wealth

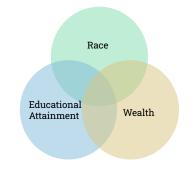
Race
Education Wealth

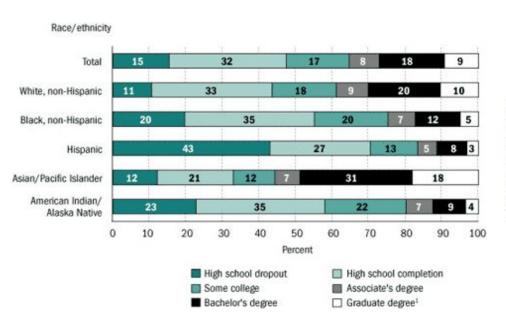
Jason Asirifi
Eric Freeman
Jingyi Gu
Winston Pierre

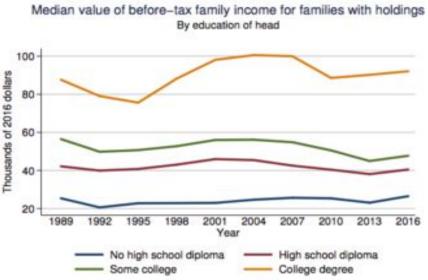


Historical Lens (National)

Education and Workforce



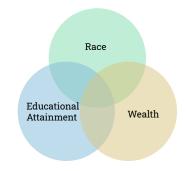


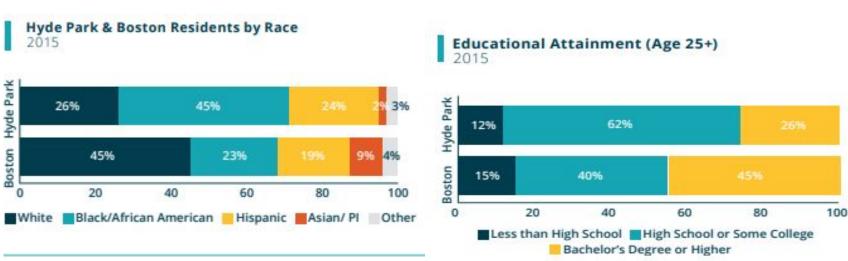


Source: National center for Education Statistic

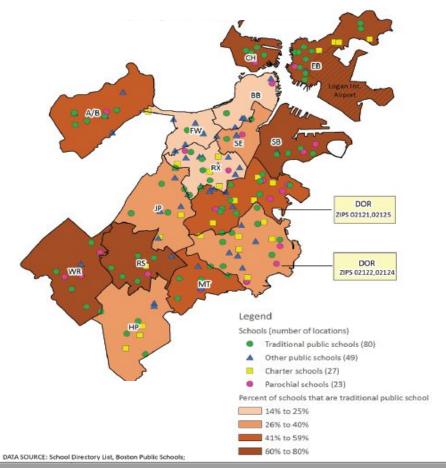
Historical Lens (Boston)

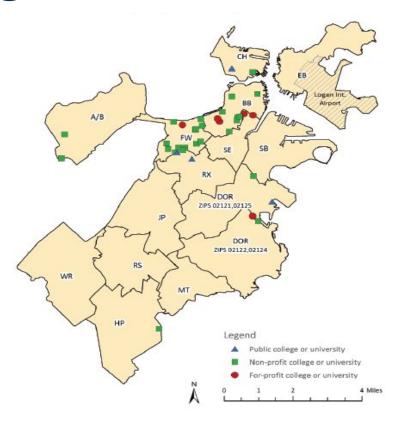
Education and Workforce





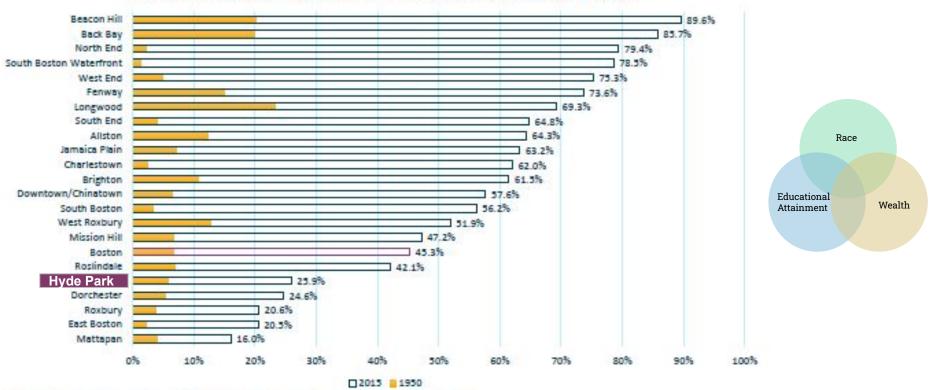
Boston's Schools, Colleges and Universities





Educational Attainment

Share of Population age 25+ with Bachelor's Degree or Higher



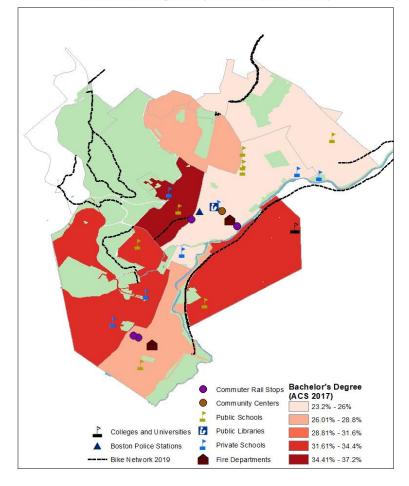
The Problem

Educational Attainment



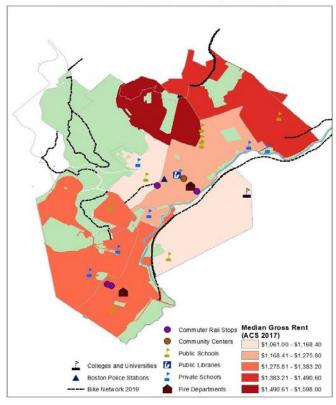
- 9% of Hyde Park residents were enrolled in college or university, a lower share than the city as a whole 17%
- 58% of Hyde Park residents age 25 and older have a Bachelor's degree, compared with 45% of Boston residents.
- Hyde Park is ranked 33 out of 37 among the neighborhood with lowest level of education

Bachelor's Degree Hyde Park (ACS 2017)



Median Household Income

Median Gross Rent Hyde Park (ACS 2017)



HYDE PARK

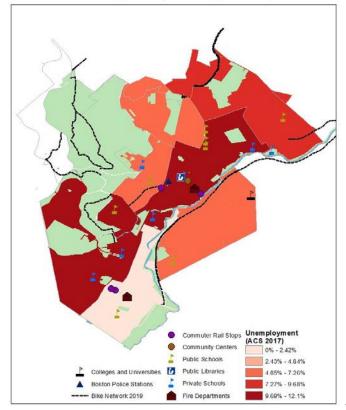
\$65,260 (2015)

BOSTON

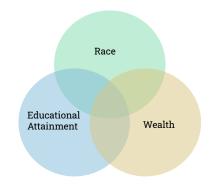
\$55,777 (2015)

(BPDA)

Unemployment Hyde Park (ACS 2017)



The Neighborhood of Paradox



- Most diverse neighborhood in Boston
- Pockets of High Poverty
- Low Educational Attainment
- Higher median income than Boston

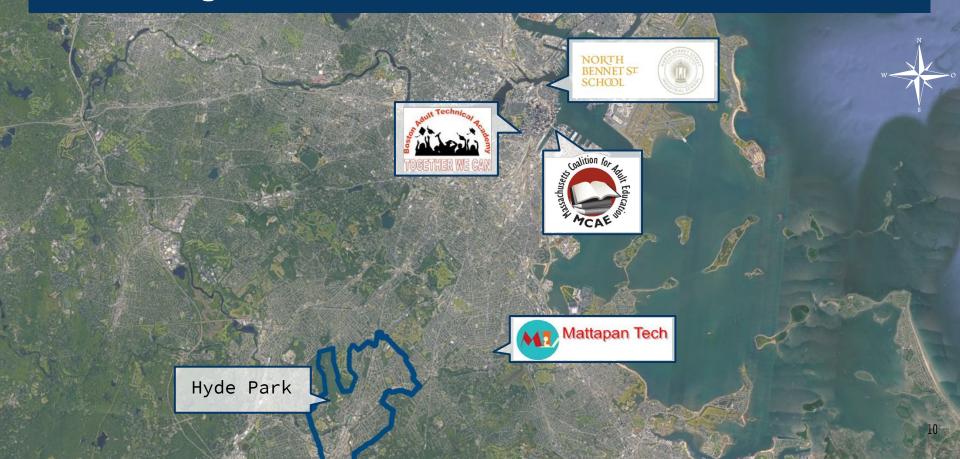




Underlying Problems



Existing Educational Centers and Partners in Boston



Available Real Estate for Lease & Sale in Hyde Park



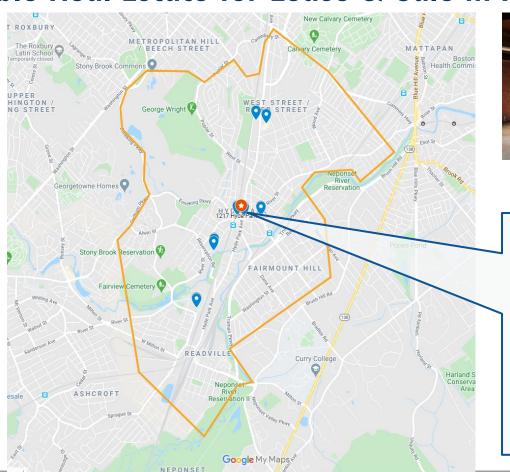
1260-1268 River St



1174-1178 River St



1295 River St





98 Business St

The only property available for sale or acquisition by the city - **1217 Hyde Park Ave.**







- 25,000 sq. Ft Building
- 0.74 Acres
- Flexible Manufacturing / Office Space
- Direct access to MBTA bus
- Zoning: LI-1 & Multifamily





Property occupies 3 parcels

Zoning: Industrial (LI-1) & 2-Family

 Hyde Park Neighborhood District zoning overlay

 Proposal Would Require Zoning Amendment



1217 Hyde Park Ave

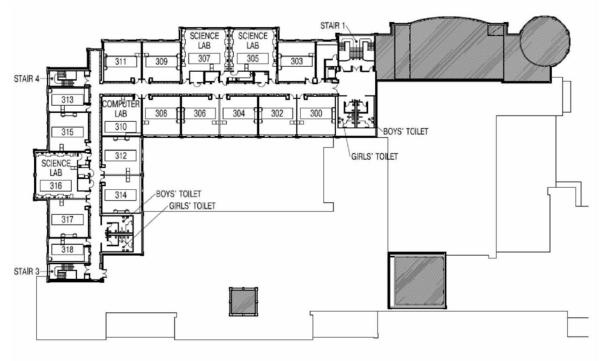
Property Overview

- Built 1920
- 22,000 sq. Ft parcel
- 0.57 Acres
- Warehousing / Light Industrial
- Direct access to MBTA bus and Commuter Rail
- Zoning: LI-1 & Multifamily



Design Details

Proposed Interior Layout



Spatial Programming

- 10,000 Sq. Ft
 Classroom / Workshop Space
- **6,000 Sq. Ft** Flex / Event Space
- **2,000 Sq. Ft**Administrative Space
- **3,000 sq. Ft**Utility & Common Space

Design Concepts -1217 Hyde Park Ave

Before After



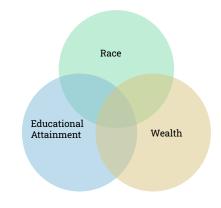




Proposal: 931 Hyde Park Ave Workforce Education Center

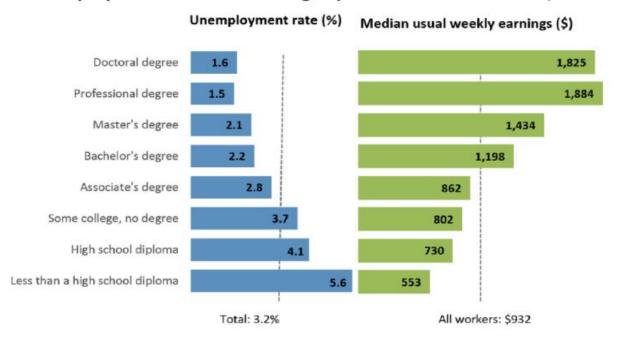






Workforce Education Center Impact

Unemployment rates and earnings by educational attainment, 2018



Note: Data are for persons age 25 and over. Earnings are for full-time wage and salary workers. Source: U.S. Bureau of Labor Statistics, Current Population Survey.

What are we offering?



Culinary & Food Services

Food Service Managers, Operation Managers, Entrepreneurship



Construction & Engineering Tech

Journeyman Status, Shop Managers



Human & Health Service

Clinic Managers, Case Workers, Patient Care Workers

Broad Overview of Program Offering

Biweekly Workshop

- Citizenship Application
- Tax Preparing (Seasonal)
- Housing loan application
- HomeBuyer/ Landlord Training
- OSHA 10 (Bi-Weekly)
- OSHA 30 (Quarterly)

3 Month Programs

- Auto Tech
- Carpentry
- Culinary Arts (Basic)
- Early Education and child care

6 Month Programs

- Cosmetology
- Welding
- Culinary Arts (Advanced)
- Certified Nurse Assistant (CNA)

12 Month Programs

- Plumbing & Pipe Fitting
- HVAC/R
- Licensed Nurse Practitioner (LPN)









Increased Income for all Residents



Current Hyde Park
Resident
\$29,523/yr/Capita
\$78,589/yr/Household



\$hop Manager
\$51,019/year
Automotive Tech
\$73,381/year



Restaurant Manager \$57,185 Kitchen Manager \$50,425



Clinic Coordinator \$57,760 Licensed Nurse (LPN) \$54,817



Carpenter \$61,588+ Pipefitter \$70,527

Funding and Grants \$13,800,000



Boston's Payment in Lieu of Tax Program:

A Review of the Program's Development,
Implementation and Results



Paul Grogran \$500,000

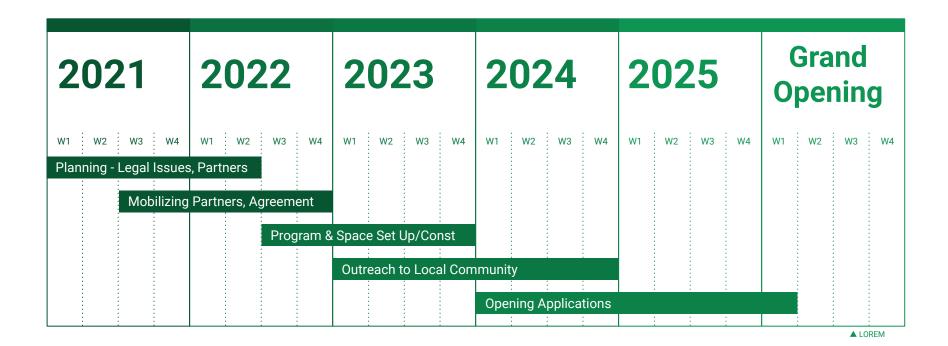
Harvard, Northeastern, Boston College and Boston University \$ 9.8 millions

Linkage Fees **\$2 millions**



Thring Ngugen **\$1,500,000**

Project Timeline - 931 Hyde Park Ave



Evaluating Impact







Thank You

A Future That Works

Promoting Inclusive Growth in Hyde Park

How Will Hyde Park Diversify & Expand Local Job Market to Benefit Current & Future Residents?



"A cradle of early manufacturing and the industrialization of America, Hyde Park has a rich history and many stories to tell"

-Hyde Park Historical Society, Est. 1887



Sturtevant(1976), 1 Westinghouse Plaza, Hyde Park

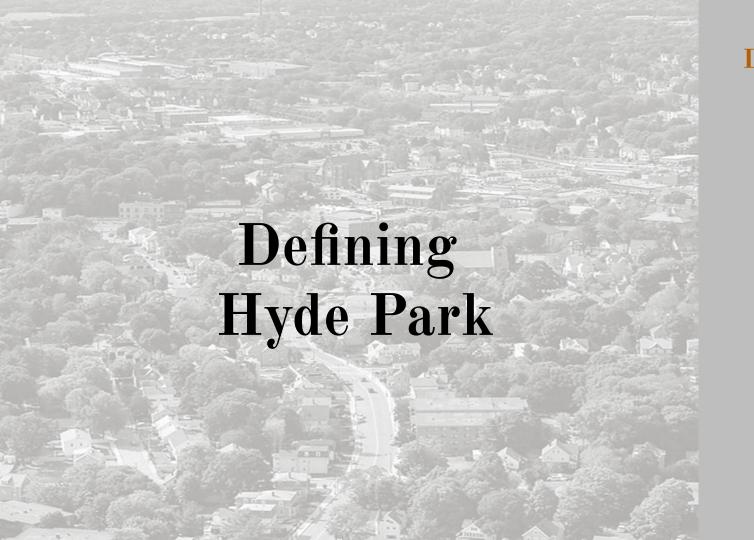


Vacant(2019), 1 Westinghouse Plaza, Hyde Park



Opportunity(2020--), 1 Westinghouse Plaza, Hyde Park

"We must do more than celebrate our diversity. We must work together to bring real opportunity and prosperity to every corner of our city."

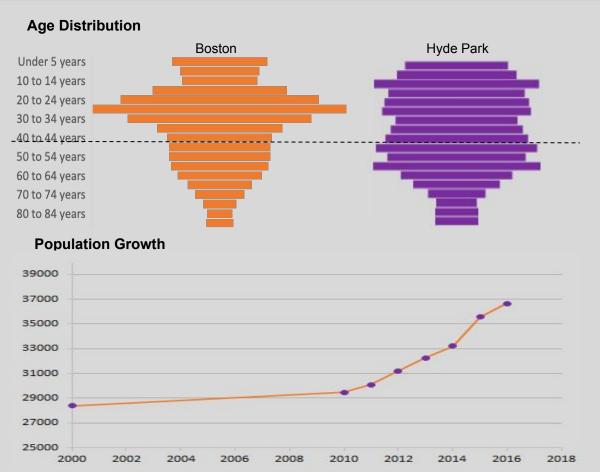


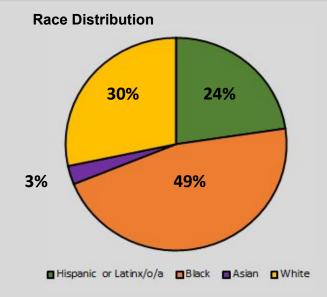
Demographics

Trends

Local Voices

Hyde Park: A Comprehensive Background





13.9% of Hyde Park residents live in Poverty

Hyde Park: Current Trends



Predominantly commuters. The share of Hyde Park households with a vehicle grew from 81% to 85% from 2000 to 2015.



Higher percentage of Hyde Park residents are participating in the labor force, either holding jobs or actively seeking jobs



Steady growth in population, especially young people

Why Hyde Park?

A community wanting and needing more local economic growth

Unutilized industrial spaces
with potential for
development

Voices From The Community

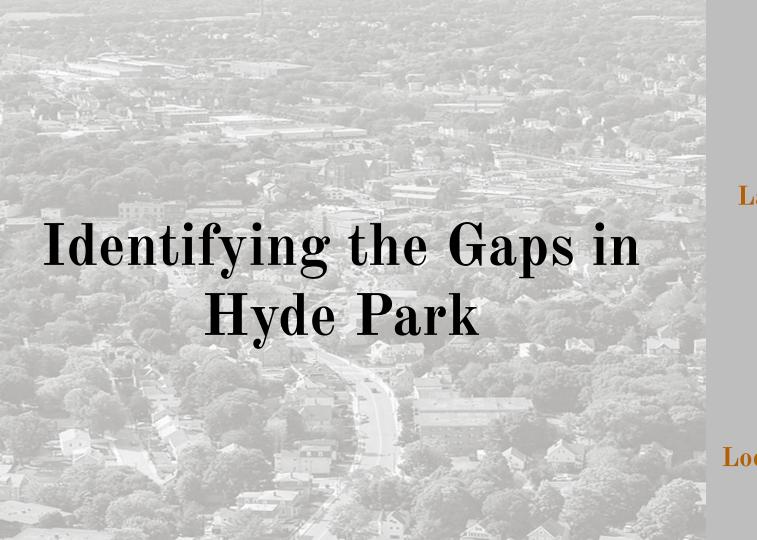
"I want to make sure families stay vested in our communities"

- Maria Esdale Farrell, Bay State Banner "Somehow Hyde
Park has the
reputation of being
against
development. But
that's not the case.
We want to see
responsible
development."

Joe Smith, The Hyde Park Bulletin "Hyde Park is a neighborhood that developers are interested in"

Marty Walsh, The Hyde Park Bulletin "In our neighborhood, I think we've been trapped in our cars. I feel really embarrassed that I work two-and-a-half miles from here and I drive."

Lisa Beatman, The Hyde Park Bulletin



Income & Education

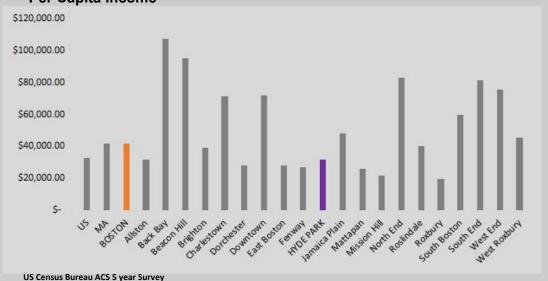
Labor Industries

Investment & Development

Local Job Market

Income & Education

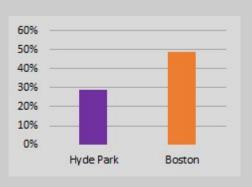




Hyde Park Per Capita Income: \$31,622

Boston Per Capita Income: \$42,010

Bachelor Degree Attainment



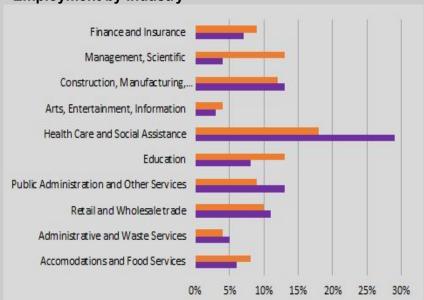
Active Labor Force Under Age 35



U.S. Census Bureau, 2014-2018 ACS, BPDA Research Division Analysis

Labor Industries

Employment by Industry



U.S. Census Bureau, 2014-2018 ACS, BPDA Research Division Analysis

Average Annual Earnings by Industry (2017)



MA EOWLD, BPDA Research Division analysis

Investment and Development

\$12.7

Billion Invested

\$36Million Invested

111

2

Developments Developments

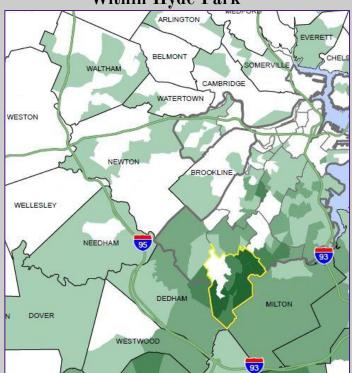
Less than 1% of Boston's Development Investment

Less than 1% of Boston's Under Construction Developments



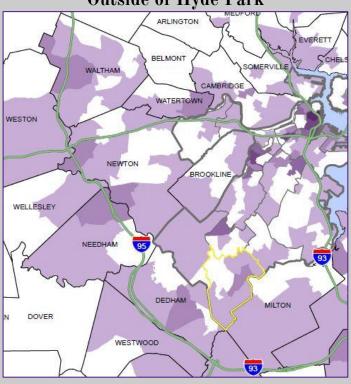
The Job Location Spatial Mismatch Problem

Within Hyde Park



0.13 payroll jobs for every resident worker< 1% of Boston jobs provided

Outside of Hyde Park



19.6% Commutes > 1 hour



Inclusive Growth

Green Energy

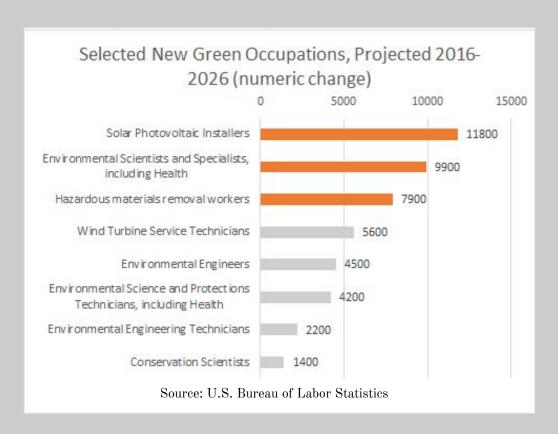
Adaptive Reuse

Increasing Inclusive and Equal Opportunity in Hyde Park

Inclusive Growth is a concept that advances equitable opportunities for **ALL** economic participants



So what about the future?



What factors will affect the future of work?

- The fourth industrial revolution
- Automation
- Climate Change

What does this mean for Hyde Park?

- Attract future forward agencies (e.g. clean energy, IT, and consulting firms)
- Develop and employ local talent
- Activate existing infrastructure

Where Do Industrial Spaces and New Manufacturing Meet?

21 commercial listings, 11 Industrial



- 1217 Hyde Park Ave
- 98 & 100 Business St
- 1 Westinghouse Plz
- 931 Hyde Park Ave
- 63 Sprague St
- 56 Industrial Way
- 8 Industrial Way
- 65 Sprague St
- 4-8 Wolcott St
- 54 Industrial Dr
- 1476 River St



Zoning: LI2 (Light Industrial 2)



Landowner Sefer Ozdemir (DevYap Realty Group)



Condition

Rental Rate: \$3 - \$17 /SF/YR

Rentable building area: 12,525 SF & 1000 SF

Year Built: 1890



98 & 100 Business St.

98 & 100 Business Street





Offices
Research Labs



STRENGTHS

Green energy
Start-ups
Mid-sized
Cost of Space
Zoning



WEAKNESSES

Attracting Talent



OPPORTUNITIES

Agglomeration Effect
Growth Hub
Manufacturing
Spaces



1217 Hyde Park Avenue



OUR PLAN

Mixed-income Housing Career Center Retail



STRENGTHS

Transportation
Location
Zoning Flexibility
Uniqueness



WEAKNESSES

Limited Space



OPPORTUNITIES

Benefit Local Businesses

Redevelopment of Housing to offset Gentrification



1 Westinghouse Plaza





Manufacturing Plant Large Scale Labs



STRENGTHS

Manufacturing Space
Cost of Space
Zoning
Transportation



WEAKNESSES

Manufacturing in MA



OPPORTUNITIES

Near Destination

Manufacturing

Growth Space for Startups

The shrinking footprint of the U.S. manufacturing industry Manufacturing value-added as a percentage of GDP and manufacturing employment as a percentage of total nonfarm employment 37.5 Value-Added Employment 30.0 22.5 15.0 7.5 1960 1980 2000 2020 1940 Source: U.S. Bureau of Economic Analysis, Value Added by Industry, retrieved from BEA, February 15, 2019; U.S. Bureau of Labor Statistics, All Employees: Manufacturing [MANEMP], retrieved from FRED, Federal Reserve Bank of St. Louis, February 15, 2019. **Equitable** Growth







Tapping into Hyde Park's infrastructure is an opportunity to get ahead of industry changes.



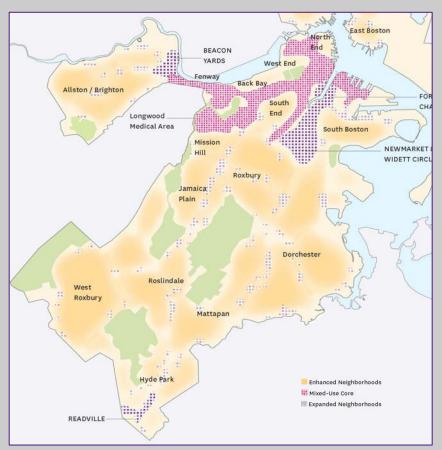
Workforce Development

Community Partners

Targeted Stakeholders

Funding

Strengthening Connectivity, Leveraging Resources



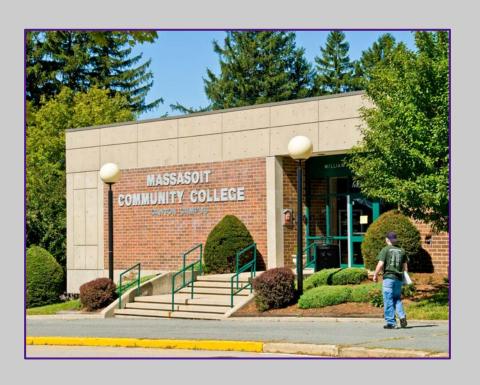


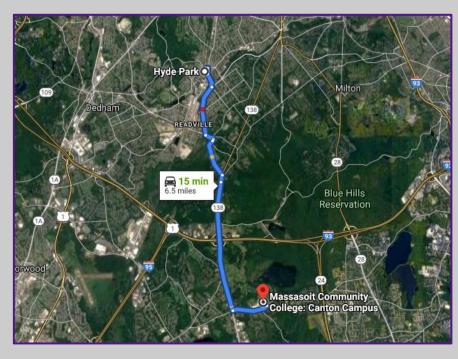
Resources to Strengthen Labor Force:

- Jobs hub (Workforce Development)
- Encourage Women/POC Small Business Owners
- ESOL classes
- Community College Satellite Campuses

Source: Imagine Boston 2020

How Do We Make It Work?





Industry Partners

Targeted Stakeholders:

- Sunrun
- Vivint
- General Electric
- Jobs Hubs
- TJX Companies
- Coworking Space Leasing



1217 Hyde Park Avenue, 2020

Community Stakeholders





Local and national nonprofits composed of residents, activists, business owners supporting a thriving Hyde Park.





Public development agencies creating economically diverse communities in Boston through a focus on affordable housing options, access to good jobs and transit, preservation of green spaces.

Funding Tools and Possibilities

Leveraging Partnerships and Existing Resources

Community and Economic Development Grants

Policies that Encourage Private Sector Contributions







Community Reinvestment Act (CRA)

- Support Job Hubs
- Support Local Job Growth
- Increase Workforce Development Resources in the Community

Community Development Block Grant (CDBG)

- Fund Local Redevelopment
- Encourage Local Investment
- Fund New Housing

Private Sector Engagement

- Attract Capital to Hyde Park
- Encourage Local Innovation
- Increase Financing Sources
- Roundtable Discussions

NEXT STEPS



Operational

Reach Out to Leaseholders to Obtain Property Information



Community Engagement

Collaborate with Community-Based Organizations on Marketing and Plans



Industry Alignment

Connect with Green Industry Startups to Identify Their Needs



Workforce Engagement

Align with the City of Boston and others to Create Community Partnerships

Increasing Riverfront Access in Hyde Park

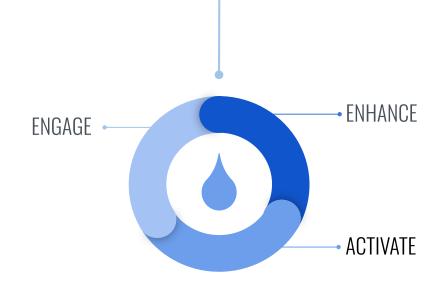
Group 4

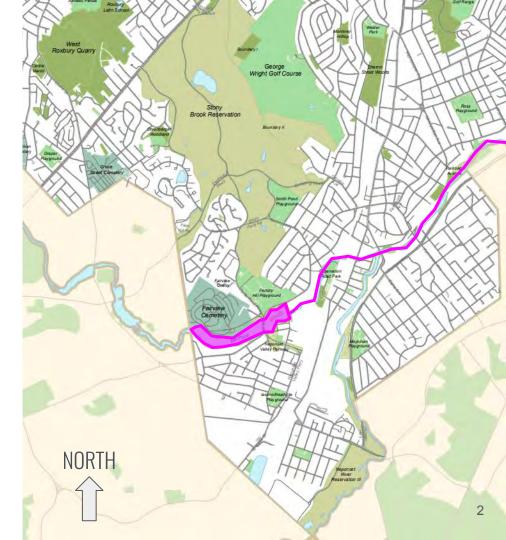
Ben Cares Zheng Qu Marco Rebaza Steve Schlauch

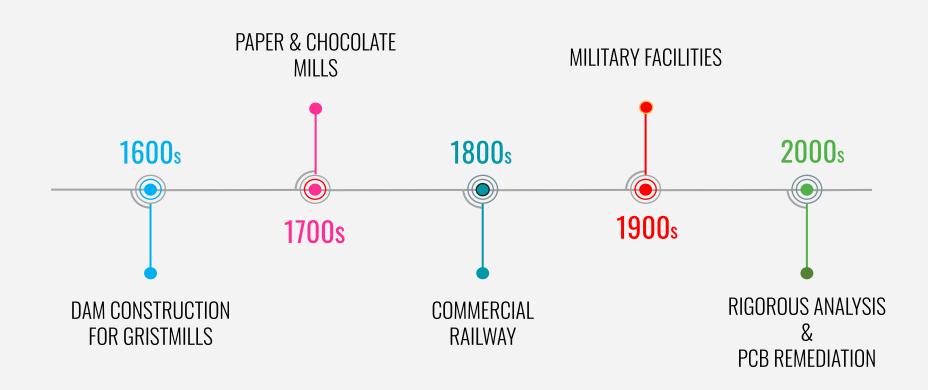


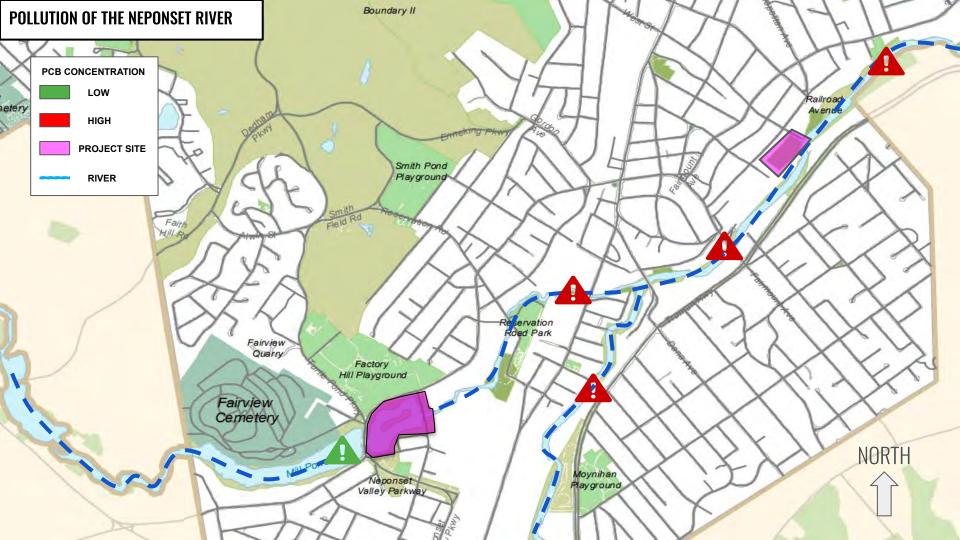
MISSION STATEMENT & STRATEGIES

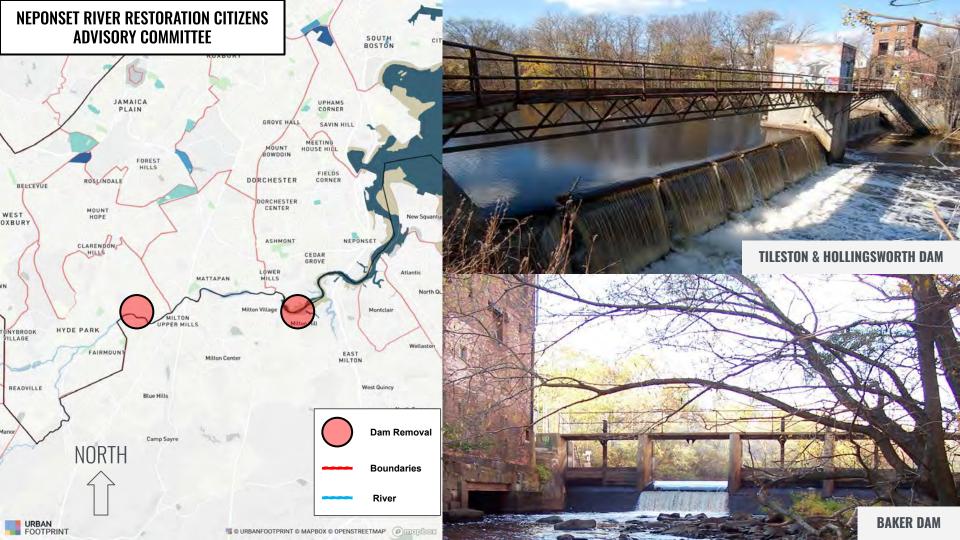
INCREASE NEPONSET RIVERFRONT ACCESS WITHIN ENVIRONMENTAL JUSTICE POPULATIONS OF HYDE PARK















URBAN HEAT ISLAND



People

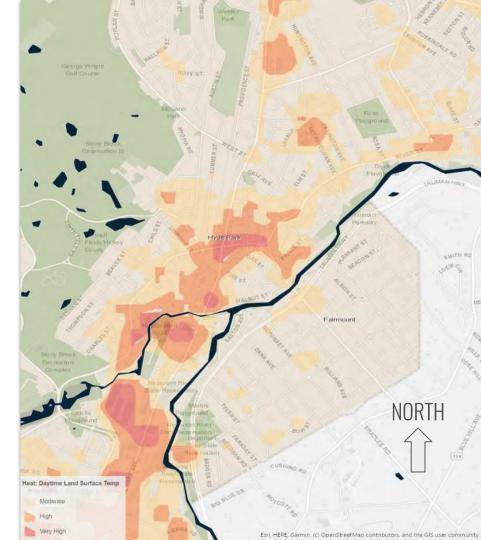




Place



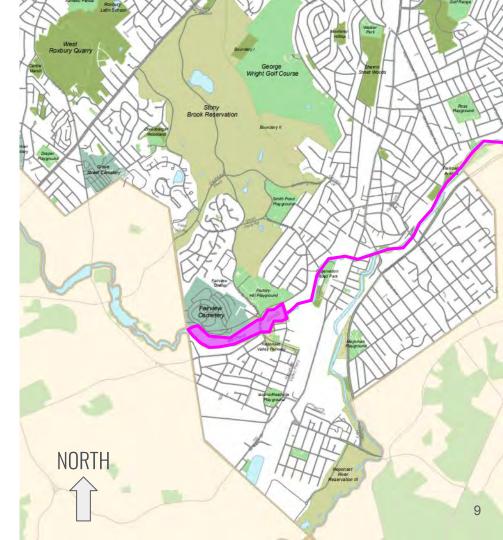
Economy



MISSION STATEMENT & STRATEGIES

INCREASE NEPONSET RIVERFRONT ACCESS WITHIN ENVIRONMENTAL JUSTICE POPULATIONS OF HYDE PARK







NEPONSET RIVER WATERSHED ASSOCIATION & BOSTON PUBLIC HEALTH COMMISSION

INTERVIEW: IAN COOKE & ATYIA MARTIN ENVIRONMENTAL JUSTICE & EFFORTS TO DATE



ANDRES RIPLEY



RACIAL JUSTICE AND PUBLIC HEALTH INTERSECTIONS



GREEN SPACE AND PHYSICAL HEALTH



ATYIA MARTIN

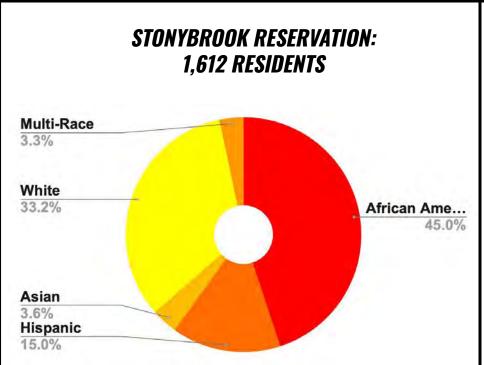


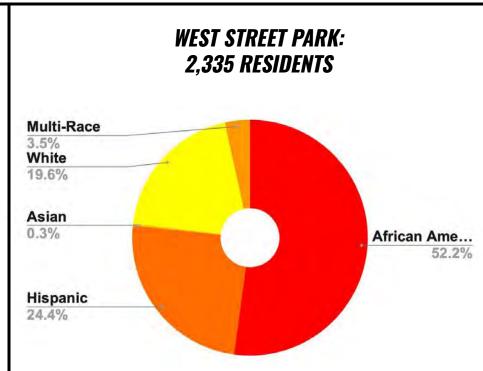
RECREATIONAL ACTIVATION OF RIVERFRONT SPACES



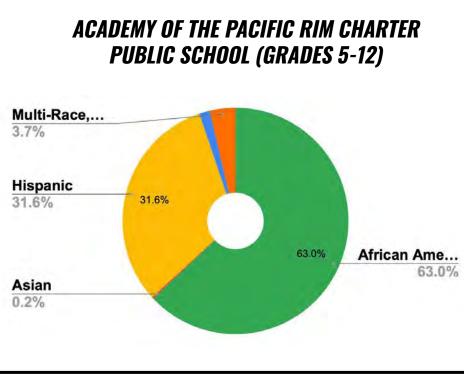
ENVIRONMENTAL EDUCATION







TOTAL RESIDENTS AFFECTED: 3,947



BOSTON RENAISSANCE CHARTER PUBLIC SCHOOL (GRADES PK-6) Multi-Race,... 1.5% 8.3% White 8.3% Hispanic 28.7% 28.7% African Ame... 60.4% Asian 1.1%

STUDENTS POPULATION: 527

STUDENT POPULATION: 930



ACADEMY OF THE PACIFIC RIM CHARTER PUBLIC **SCHOOL & BOSTON RENAISSANCE CHARTER** PUBLIC SCHOOL

CHARETTE: STUDENTS OF CHARTER SCHOOLS ASSESSING YOUTH PERCEPTION OF RIVERFRONT

IS THIS SPACE SAFE & FUN?



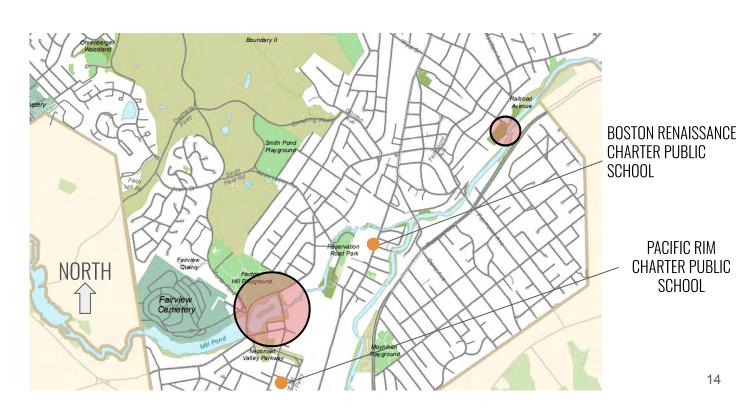
YES



SORT OF



NO

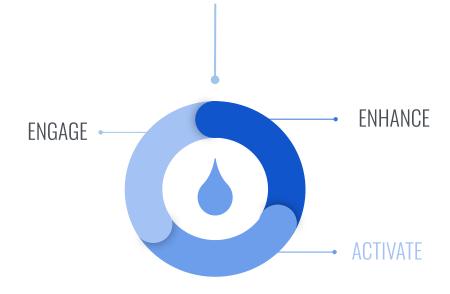


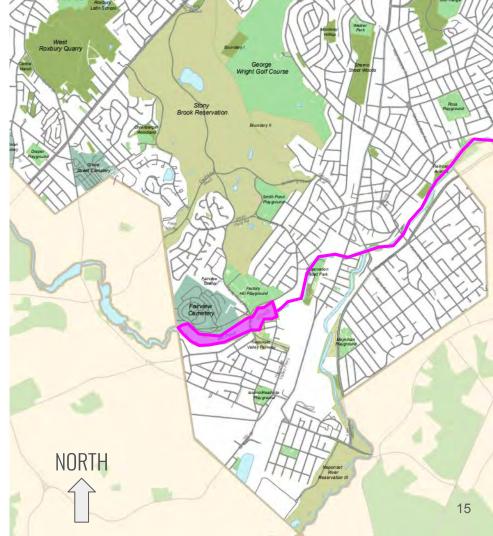
PACIFIC RIM

SCHOOL

MISSION STATEMENT & STRATEGIES

INCREASE NEPONSET RIVERFRONT ACCESS WITHIN ENVIRONMENTAL JUSTICE POPULATIONS OF HYDE PARK





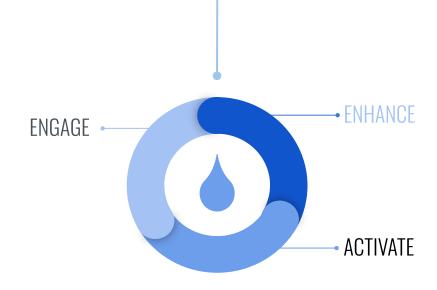


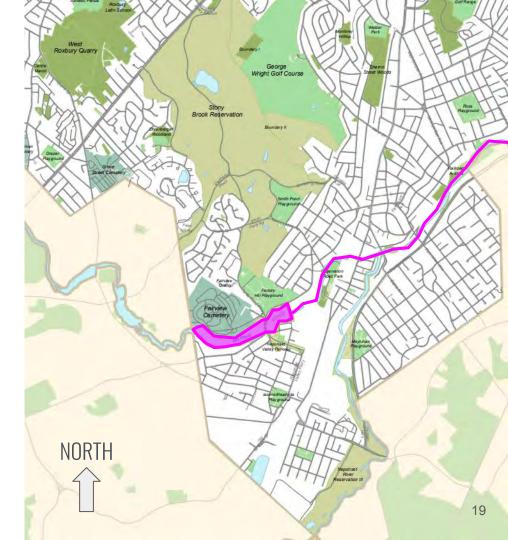


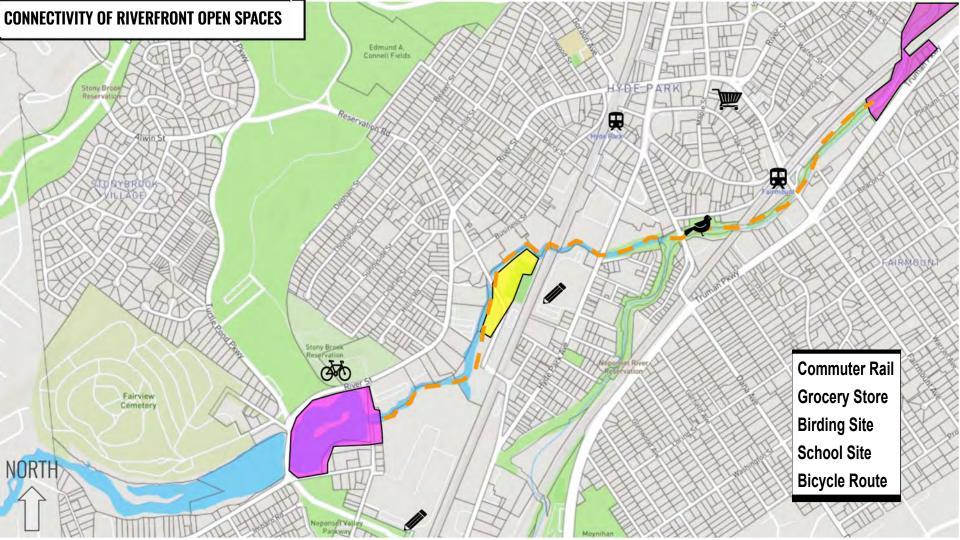


MISSION STATEMENT & STRATEGIES

INCREASE NEPONSET RIVERFRONT ACCESS WITHIN ENVIRONMENTAL JUSTICE POPULATIONS OF HYDE PARK





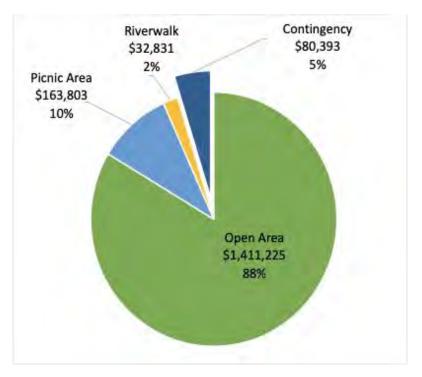








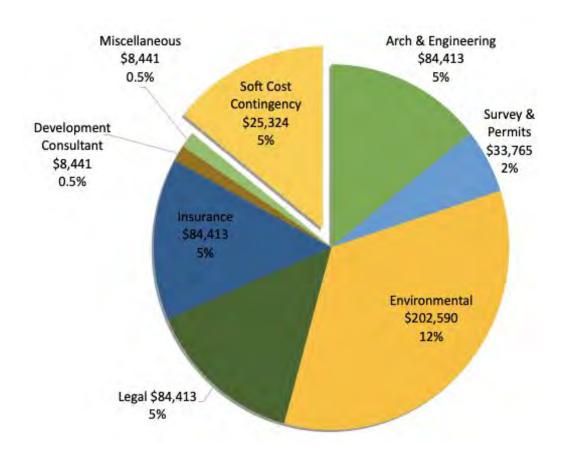
CONSTRUCTION COSTS



Description	Unit	Value	Stony Brook	West Park	Total Value
Land Acquisition					0
Construction Costs					
Open Area	s.f.	\$2.80	424,205	79,804	\$1,411,225
Picnic Area (10 %)	s.f.	\$3.25	42,421	7,980	\$163,803
Riverwalk	s.f.	\$18.75	1,206	\$545	\$32,831
Direct Construction Cost				-	\$1,607,859
Contingency		5%			\$80,393
Total Construction				-	\$1,688,252

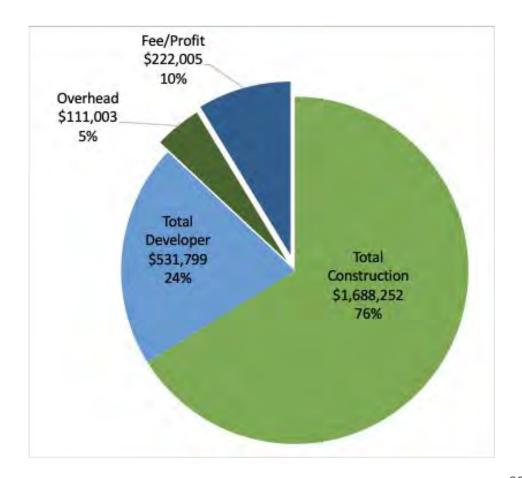
DEVELOPER COSTS

Developer Costs	Value
Arch & Engineering	\$84,413
Survey & Permits	\$33,765
Environmental	\$202,590
Legal	\$84,413
Insurance	\$84,413
Development Consultant	\$8,441
Miscellaneous	\$8,441
Total Developer or Soft Cost	\$506,476
Soft Cost Contingency	\$25,324
Total Developer	\$531,799



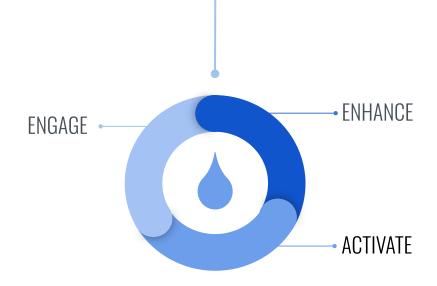
TOTAL DEVELOPMENT BUDGET

Overall Breakdown	Total Value
Land Acquisition	0
Total Construction	\$1,688,252
Total Developer	\$531,799
Land, Construction, Developer	\$2,220,052
Overhead	\$111,003
Fee/Profit	\$222,005
Total Development Budget	\$2,553,060



MISSION STATEMENT & STRATEGIES

INCREASE NEPONSET RIVERFRONT ACCESS WITHIN ENVIRONMENTAL JUSTICE POPULATIONS OF HYDE PARK



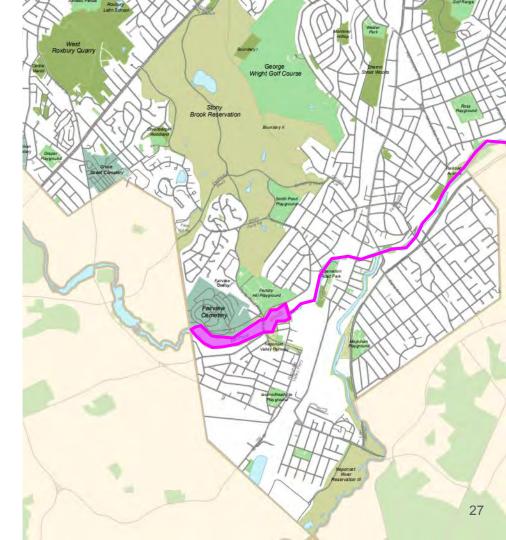


EXHIBIT A: BUDGET ANALYSIS

Unit	value	Stony Brook	West Park	Total Value
				0
s.f.	\$2.80	424,205	79,804	\$1,411,225
s.f.	\$3.25	42,421	7,980	\$163,803
s.f.	\$18.75	1,206	\$545	\$32,831
			-	\$1,607,859
	5%			\$80,393
			-	\$1,688,252
	s.f. s.f. s.f.	s.f. \$3.25 s.f. \$18.75	s.f. \$2.80 424,205 s.f. \$3.25 42,421 s.f. \$18.75 1,206	s.f. \$2.80 424,205 79,804 s.f. \$3.25 42,421 7,980 s.f. \$18.75 1,206 \$545

Summary: Land, Construction & Developer	\$2,220,052
Developer Overhead	\$111,003
Developer Fee/Profit	\$222,005
Total Development Budget	\$2,553,060

Developer Costs	Value
Arch & Engineering	\$84,413
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HYDE PARK NEIGHBORWAY



Steven Lassman

Shengxiang Jin

Kelly Schroeder

Willie Simon

How do we increase quality and community value of Hyde Park's existing green spaces?





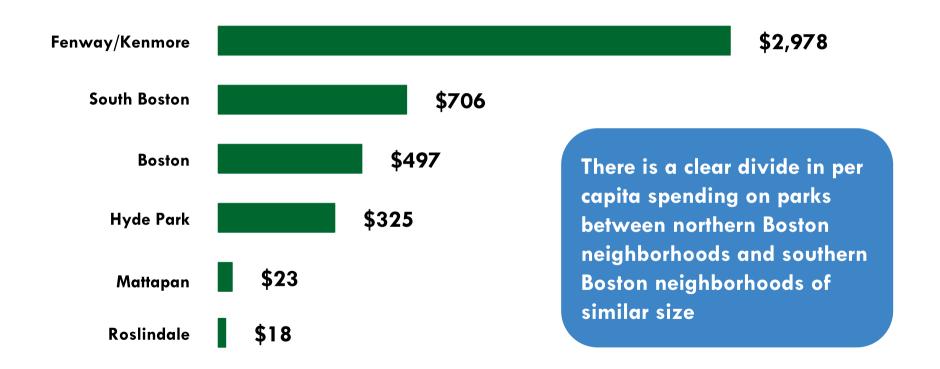


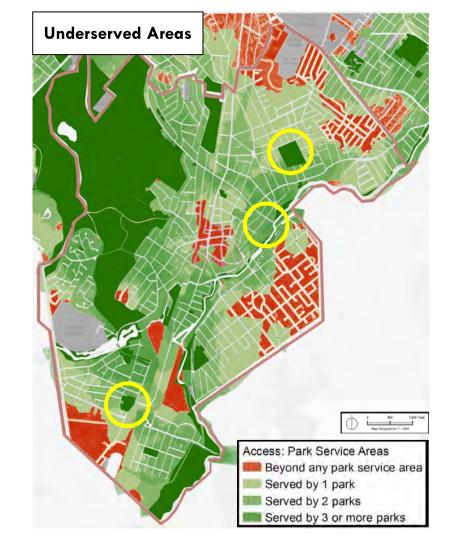


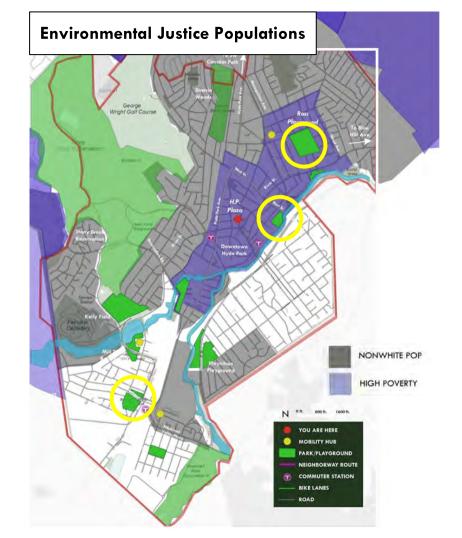
Boston ranks #13 for park access in the US¹.

But what does that mean in terms of equity and quality?

Parks & Recreation Spending Per Person

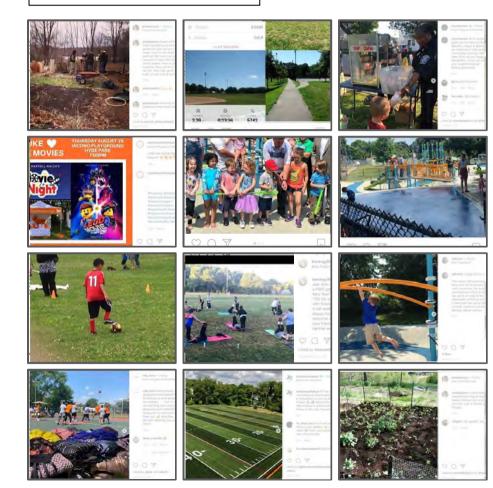






Existing Amenities George Wright Golf Course Athletic Field Basketball Street Hockey School Playlots Playlot Waterspray Boys and Girls Club ♦ YMCA / YWCA Ommunity Centers Public Libraries City of Boston Open Space Plan

Social Media Impressions

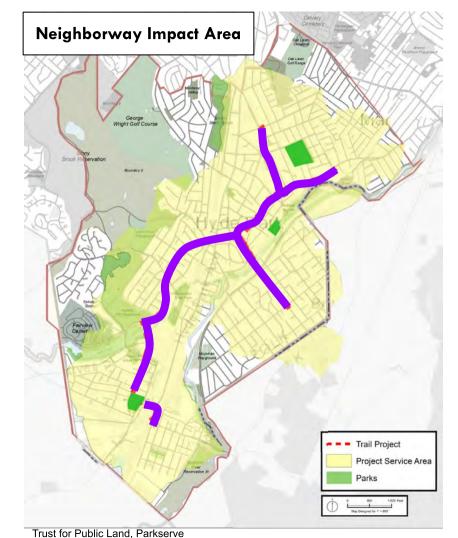


Business Density

Neighborway Impact Area



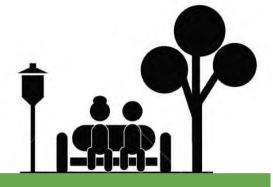
Cleary Square in Hyde Park's Central Business District



Population Affected

Age	
Children (under age 20)	<i>5,</i> 91 <i>7</i>
Adults (age 20 to age 64)	15,466
Seniors (age 65 and up)	4,133
Household Income	
Low income	3,051
Middle income	1,496
High income	4,588
Race/Ethnicity	
White	8,022
Black	12,946
Asian	403
Native American	124
Pacific Islander	21
Other Race	2,835
Mixed Race	1,163
Hispanic*	6,140
	0.5.5.0
Total Population Impacted	25,518







ACCESS



ACTIVITIES



Family Safety



Dog Park



Music & Dancing



Cycling Improvements



Food Vendors



Senior Recreation



Ped. Improvements



Tables and Seating



Arts & Crafts



Senior Friendly Paths



Sports Facilities



Yoga Classes



Rest Areas



Community Garden

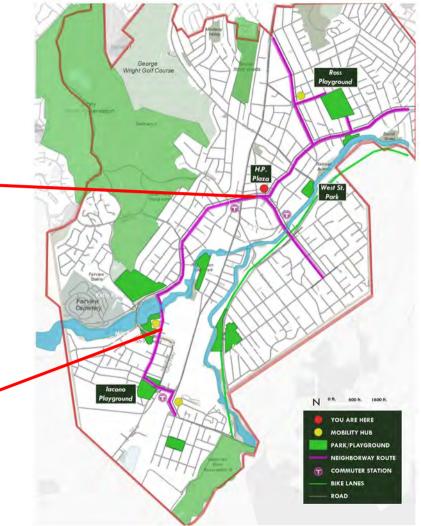


Little League

Neighborway





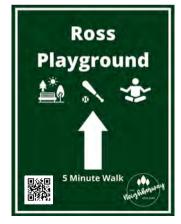


Neighborway



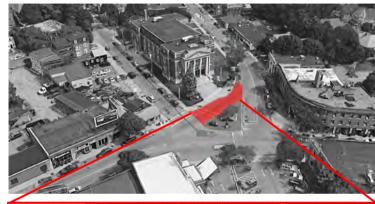








Hyde Park Plaza

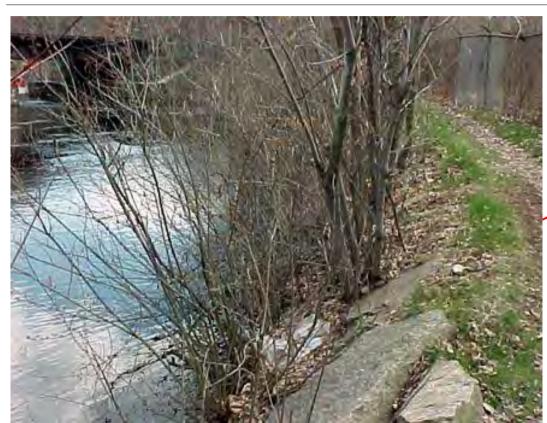






Neighborway Parks

West Street Park





Park Facts West Street Park **Population Served** 3,928 **Demographic Concerns 77**% Minority Population **17**% Low income population **Populations** HP **WSP 25**% Children 24% 14% 16% Elderly **Amenities VS Hyde Park** - 0.47 **VS** Boston - 2.35 *Data collected from ACS Community Survey

Partners & Resources



Susan CascinoZero Waste Boston



Nora VandenBerghe Dog-on-it Dog Parks



Yoga in the ParkBoston Summer Fitness



Streetscape Innovation Fund
Boston Complete Streets

West Street Park







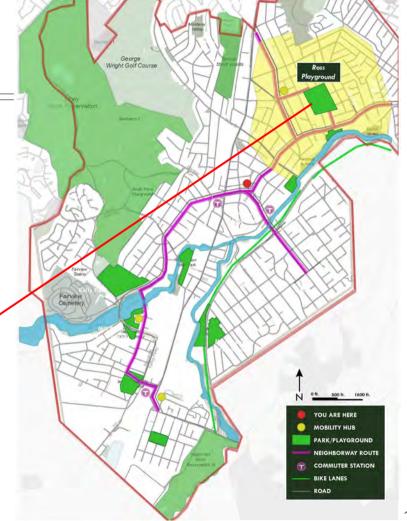






Neighborway ParksRoss Playground





Park Facts

Ross Playground

Population Served 7,103

Minority Population	84%
Low income population	15%

Populations	HP	RP
Children	24%	25%
Elderly	16%	15%

Amenities

VS Hyde Park	- 0.09
VS Boston	- 0.45

^{*}Data collected from AC\$ Community Survey

Partners & Resources



Little League Youth SportsHyde Park YMCA



BlueBikes BikeshareCity of Boston



Arts & Crafts SessionsBoston Center for Youth & Families



Cathy Horn

Keep Hyde Park Beautiful

Interventions

Ross Playground





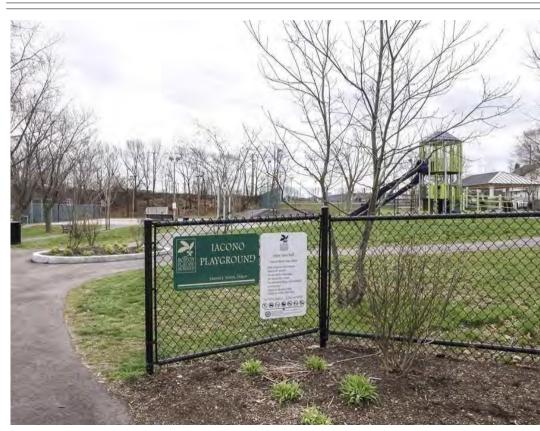








Neighborway Parks Iacono Playground





Park Facts		
lacono Playground		
Population Serve	ed	2,453
Demographic Concern	S	
Minority Populatio	47 %	
Low income popul	ation	13%
Populations	HP	IP
Children	24%	23%
Elderly	16%	17 %
Amenities		
VS Hyde Park		+ 2.45
VS Boston		+ 0.80
*Data collected from ACS Community	Survey	

Partners & Resources



Mary Hogan and Jen Gaman Humans of Hyde Park



Streetscape Innovation Fund
City of Boston



Boston Green Team SW Corridor CDC



Little League Youth Sports
Hyde Park YMCA

Interventions

lacono Playground













Budget

buagei	
Neighborway Costs	Park Improvement Costs
3.8 miles = 20,064 ft	Average New Park Cost = \$1,843,000
Average streetscape improvement cost	Est. Improvement Costs x <u>0.33</u>
= \$270 per foot	= \$608,000
= \$270 x 20,064 ft	x <u>3</u>
Total Est. Cost = \$5,417,280	Est. Cost For 3 Parks = \$1,824,000
Possible Funding & Grants	
 Parkland Acquisitions for Communities (F 	PARC)\$400,000
Gateway City Parks Program Grant	
Landscape Partnership Grant Program.	
Masstrails Grants	
 Streetscape Innovation Fund (Boston) 	\$250,000
Recreational Trails Program	\$300,000

Total Available Funding

.\$3,000,000

Phasing

	Phase I	Phase II	Phase III
	~\$840,000	~\$2,200,000	~\$4,300,000
	1 year	2-4 years	4+ years
AMENITIES ACCESS	 Wayfinding Improvements Temp. Bike Infrastructure NeighborWayfinding Site Gardening Beds Trash Cans Tables and Seating 	 Mobility Hubs Lane Painting Bikeshare Stations Improved Park Fixtures More Planting Path and Park Lighting 	 Neighborway Paving Separated Bike Lanes Dog Park Construction Food Vendors
ACTIVITIES	 Youth Sports Programming Yoga Sessions Gardening Classes Senior Fitness 	 Arts and Crafts Sessions Cultural Programming 	• Concert Series

HYDE PARK NEIGHBORWAY WEEKLY EVENT SCHEDULE June 1st - September 27th

MOM	10:00AM 3:00PM	Yoga for Seniors - Ross Playground Arts in the Park - Iacono Playground
TUE	6:00PM 6:00PM	Cardio Pump - Iacono Playground Little League Practice- Ross Playground
WED	2:00PM 6:00PM	Neighborway Book Club - Hyde Park Plaza Zumba - Ross Playground
THU	7:00AM 6:00PM	Morning Mindfulness - Iacono Playground Little League Practice - Ross Playground
FRI	10:00AM 8:00PM	Community Gardening - West Street Park Movie in the Park - Iacono Playground
SAT	10:00AM	Keep Hyde Park Beautiful Volunteer Meet-Up - West Street Park
SUN	11:00AM - 7:00PM	Neighborway HyClovia







Appendix



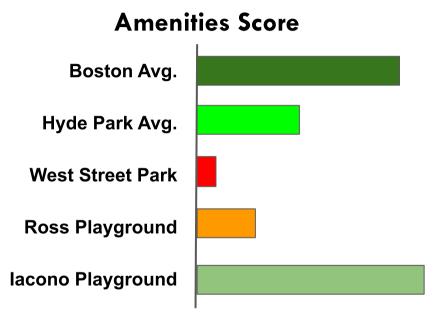
Recreational Opportunities

PREVIOUS PLANS

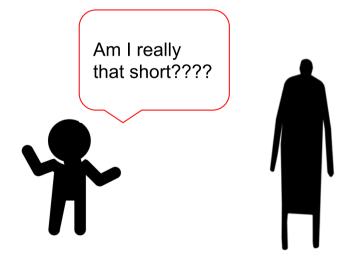
PUBLIC COMMENTS



Methodology



Measurement of Total Amenities vs Total Park Service Area Population



Parkscore

	PEOPLE BASED				PLACE BASED		
	Low Income Population	High Racial Dissimilarity	High Youth Population	High Senior Population	Fewer Amenities	Heat Island Effect	Flood Concerns
West Street Park	X	X	X		X		X
Ross Playground	X	X	X		X	X	
lacono Playground		X		X		X	

Additional Stakeholders



Mary Hogan and Jen Gaman Humans of Hyde Park



Amanda Coen and Diana Ferrara Give & Get - Hyde Park



Steve NilsonSwitch Co-Op



Boston Green Team Southwest Corridor CDC



Cathy Horn Keep Hyde Park Beautiful



Susan CascinoZero Waste Boston

Park Budget Precedents

PARK	NEIGHBORHOOD	COST	
RESERVATION ROAD PARK	HYDE PARK	\$3,220,000	
PARKMAN PLAYGROUND	JAMAICA PLAIN	\$1,405,000	
HANNON PLAYGROUND	ROXBURY	\$730,000	
MEDAL OF HONOR PARK	SOUTH BOSTON	\$1,335,500	
NOYES PLAYGROUND	EAST BOSTON	\$2,525,000	

Neighborway Budget

3.8 miles = 20,064 ft

Average streetscape improvement cost

= \$270 per foot

= \$270 x 20,064 ft

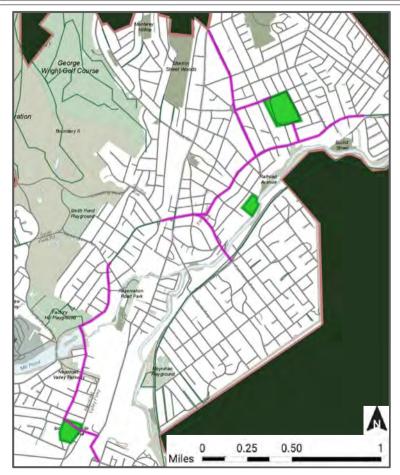
Total Cost = \$5,417,280



Possible Funding & Grants

	Total Available Funding	\$3.000.000
•	Recreational Trails Program	\$300,000
	Streetscape Innovation Fund (Boston)	\$250.000
•	Masstrails Grants	\$300,000
	Landscape Partnership Grant Program	
•	Gateway City Parks Program Grant	\$500,000
	Parkland Acquisitions for Communities (PARC)	\$400,000

Hyde Park Cyclovia









GRANTS

Parkland Acquisitions and Renovations for Communities (PARC) Grant Program - Maximum grant award amount: \$400,000

Gateway City Parks Program - Average Grant Size: \$500,000

Landscape Partnership Grant Program - Maximum Award: \$1,250,000

MassTrails Grants - Maximum grant award amount: \$300,000

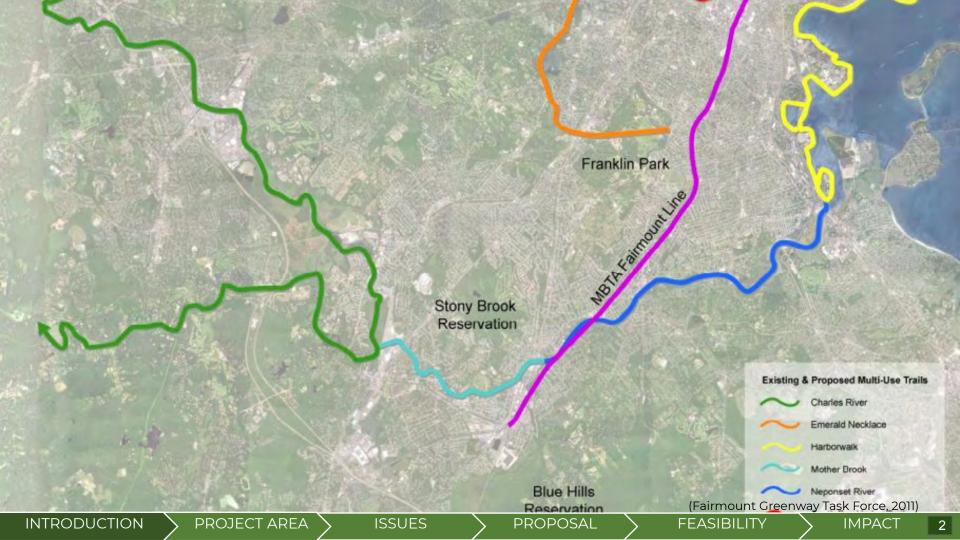
Recreational Trails Program

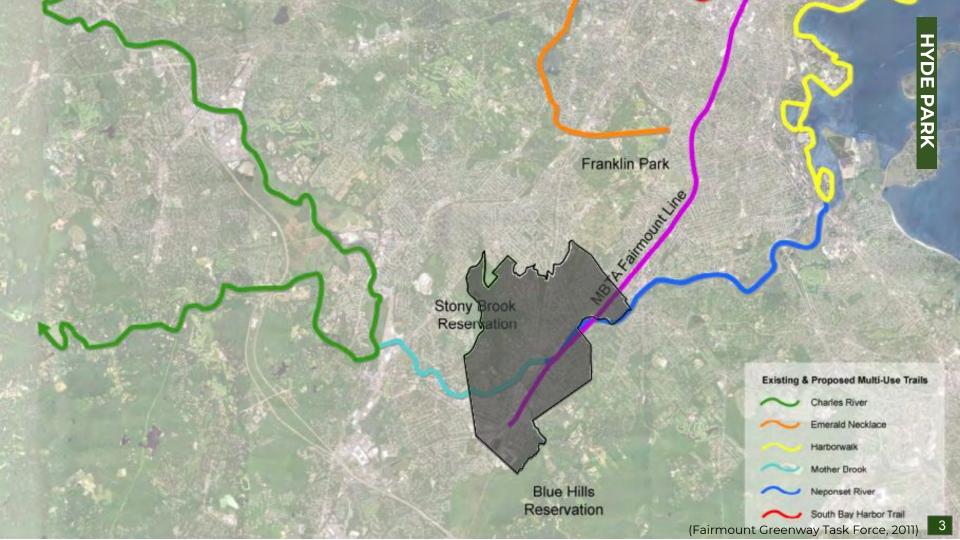
Slow the Flow

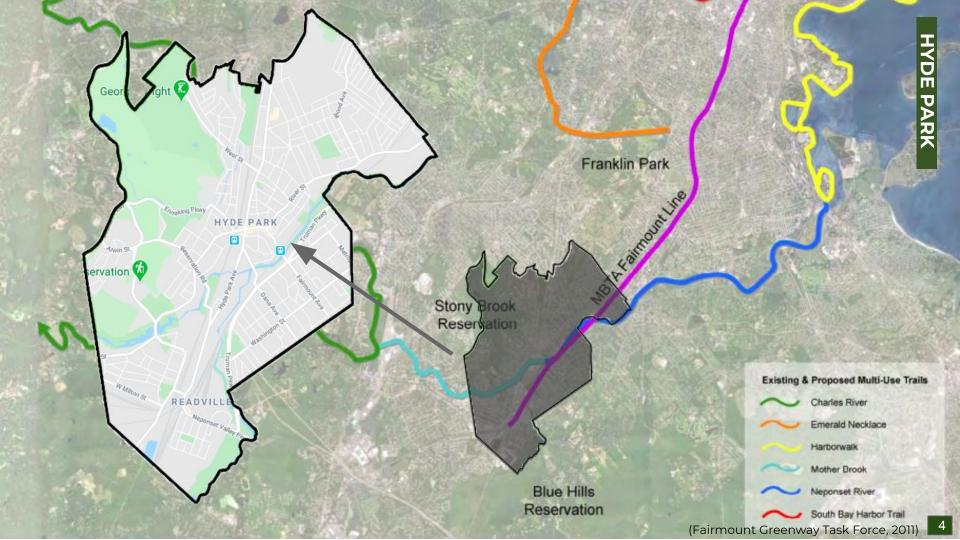
CREATING A SAFER RIVER STREET CORRIDOR

HYDE PARK, BOSTON, MA

UA 805 Spring 2020 Helen Lee, Riley Mccorstin, Rebecca Singh, Lening Wang







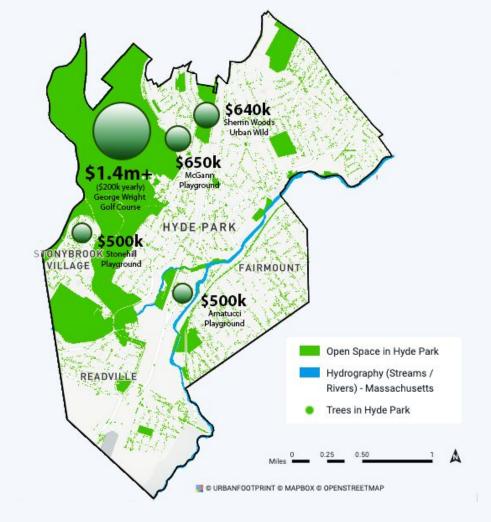




A \$7M INVESTMENT

in equitable and accessible open spaces and parks, including:

- \$1.4M to ongoing improvements to the George Wright Golf Course, including upgraded building systems and the construction of an accessible bathroom.
- \$1M for play lot upgrades to the Stonehill and Amatucci Playgrounds,
- \$650K to upgrade the McGann Playground, and
- \$640K to complete trail improvements and wetland restoration work at the Sherrin Woods Urban Wild.
- \$200K yearly investment for ongoing improvements to the George Wright Golf Course, including drainage, paving, and other miscellaneous items.

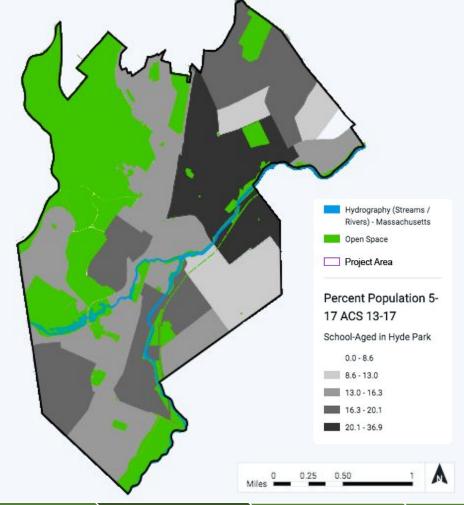


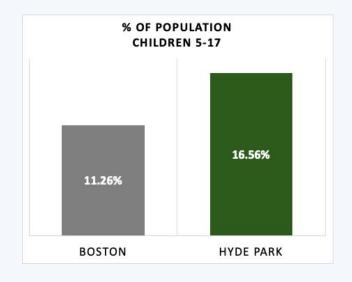


A \$7M INVESTMENT

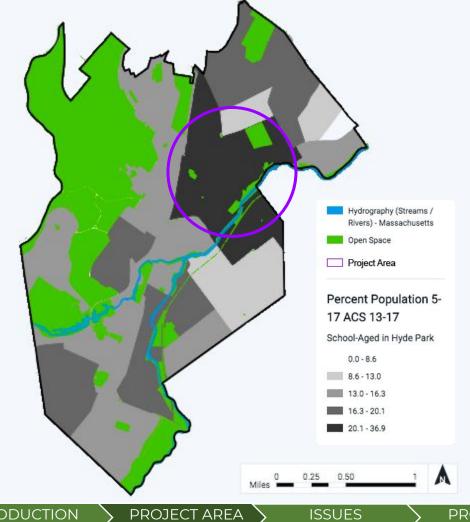
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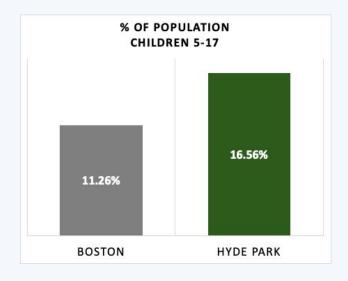
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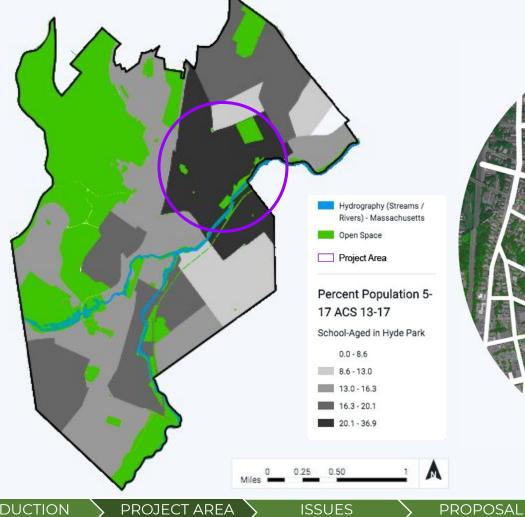




PROJECT AREA > ISSUES > PROPOSAL

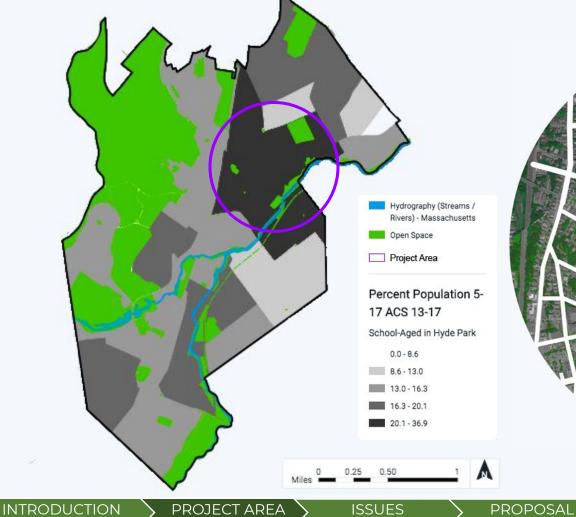




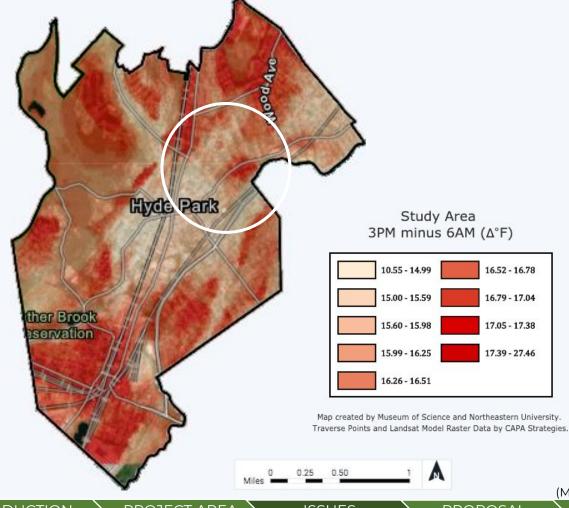




9







EXTREME HEAT

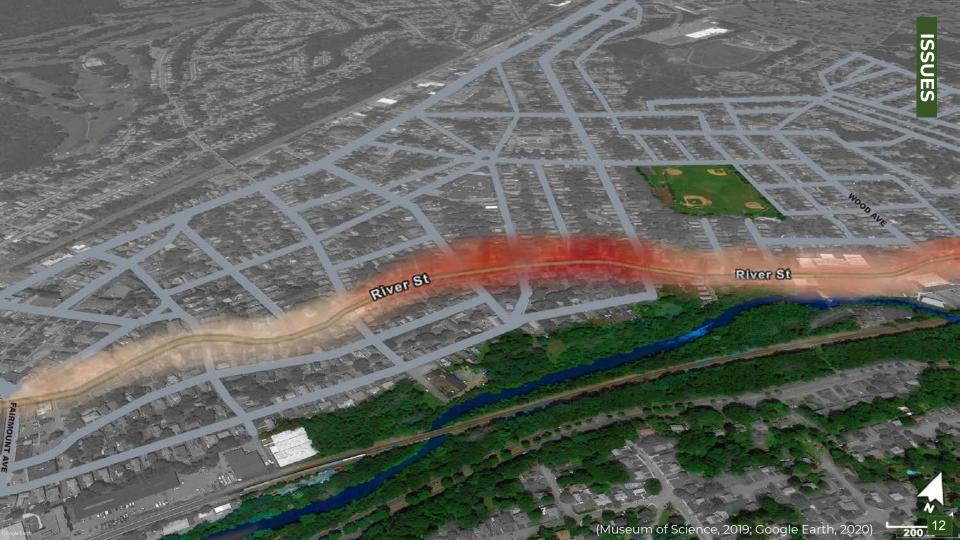
+17°F to +27.0°F

between 6a and 3p

90.3°F evening heat index

(Museum of Science, 2019; CAPA Strategies, 2019)

PROJECT AREA ISSUES











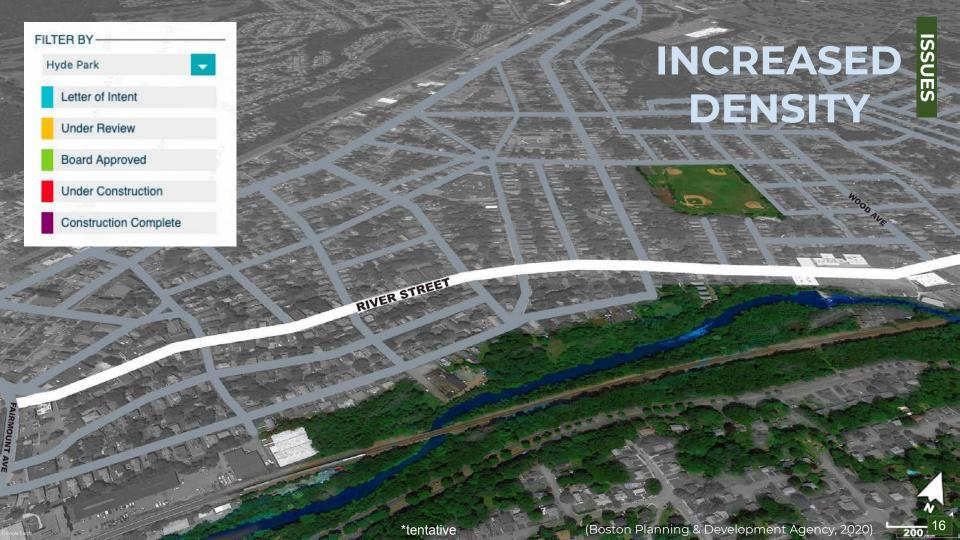
TRAFFIC ACCIDENTS

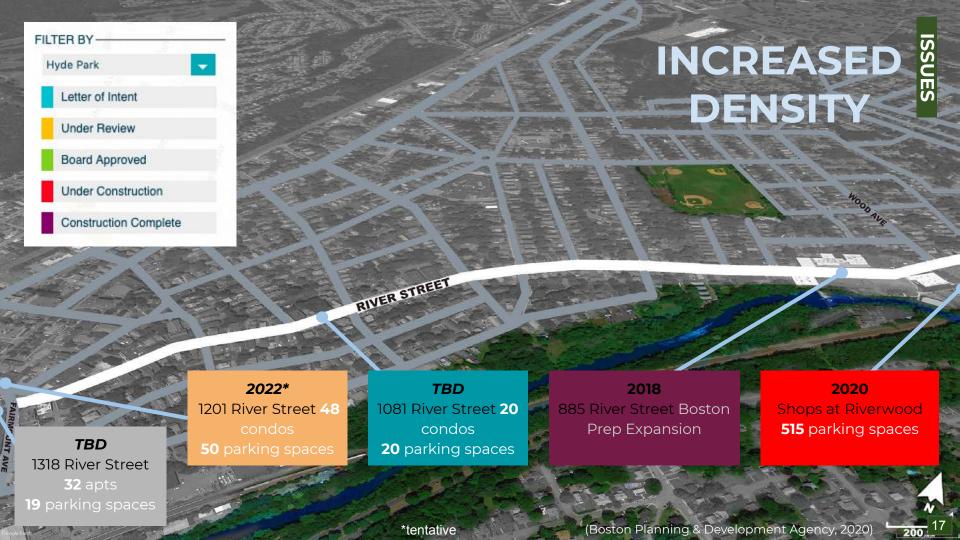


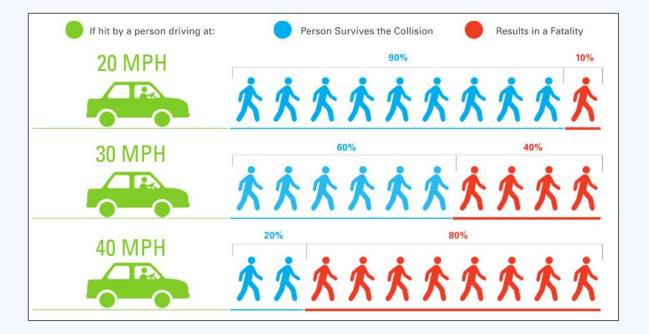
CRASHES

(Google Earth, 2020; Mazza, 2019; Niezgoda, 2018)

200 15

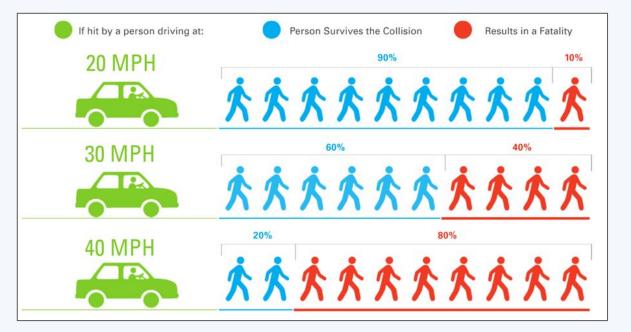








Research shows that planting trees can reduce car speeds by up to 8 miles per hour



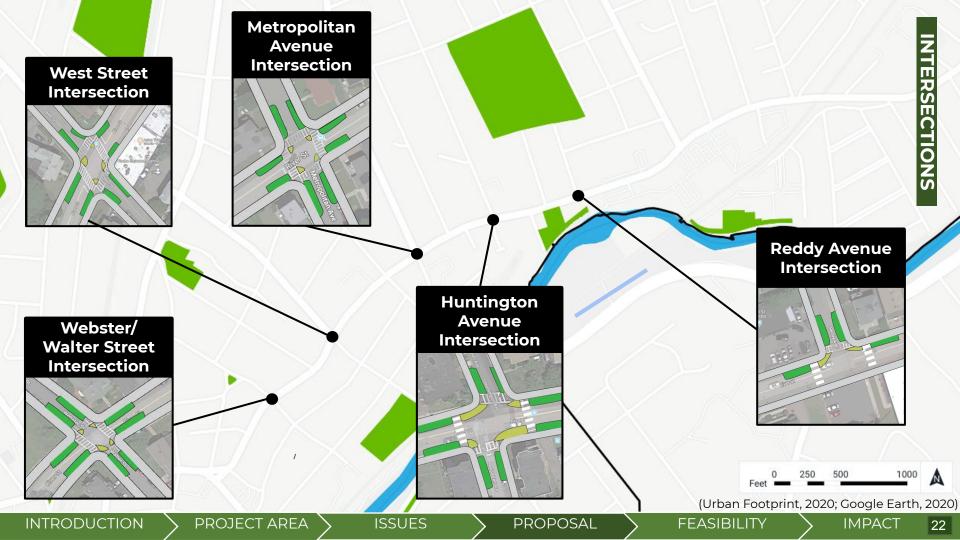


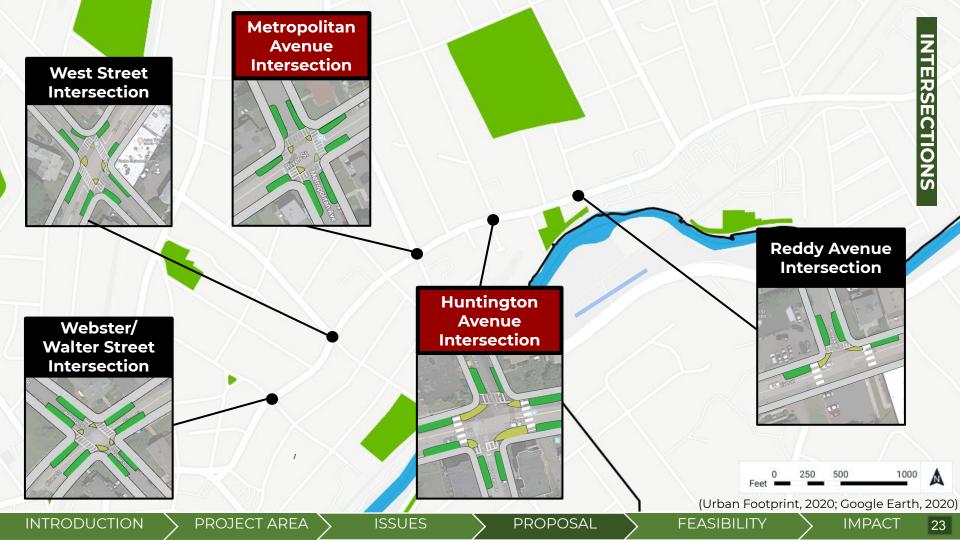


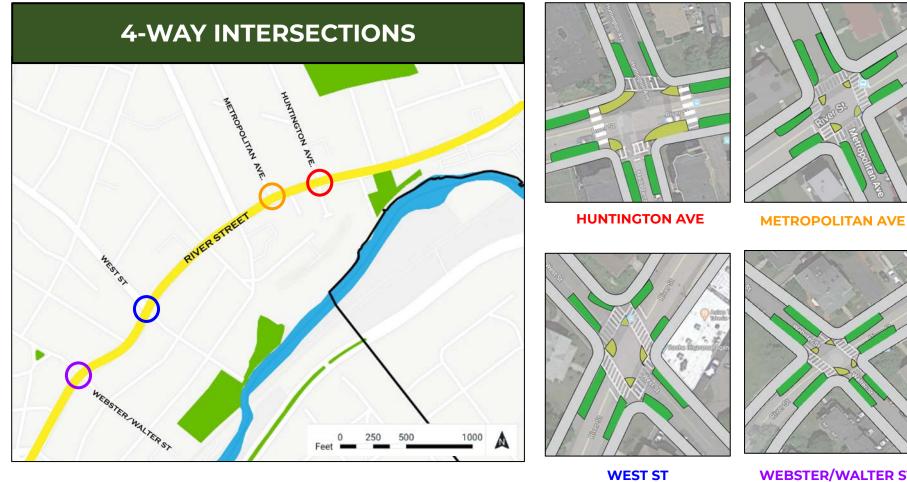


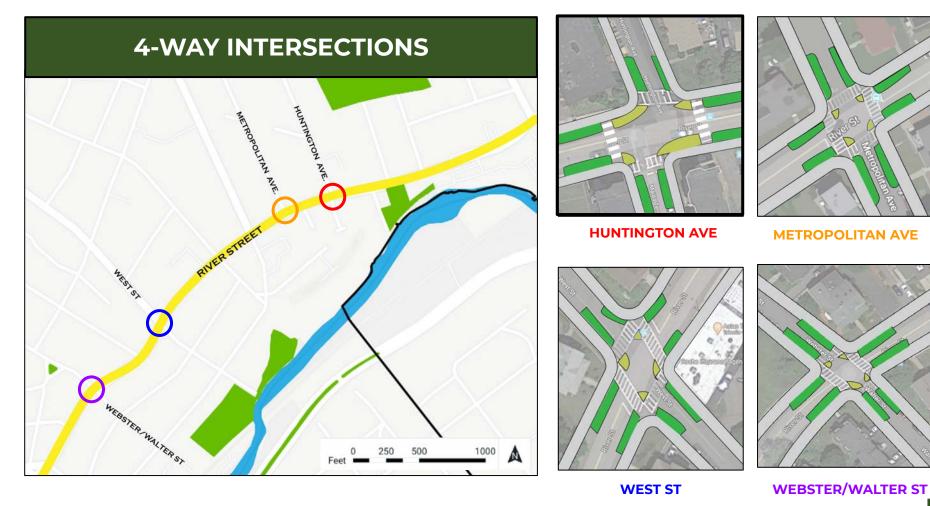




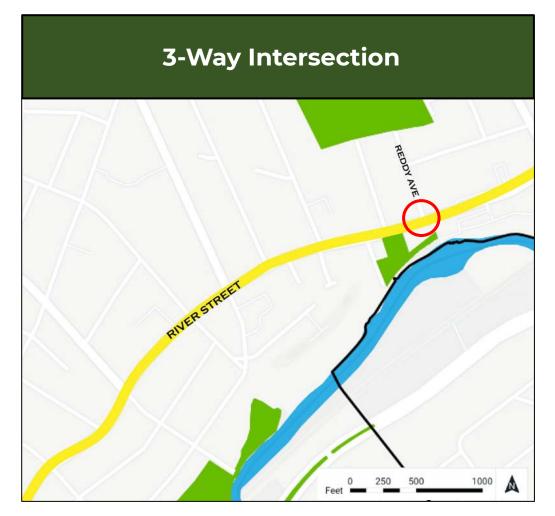


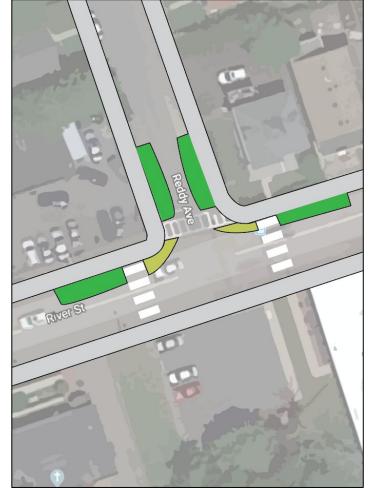












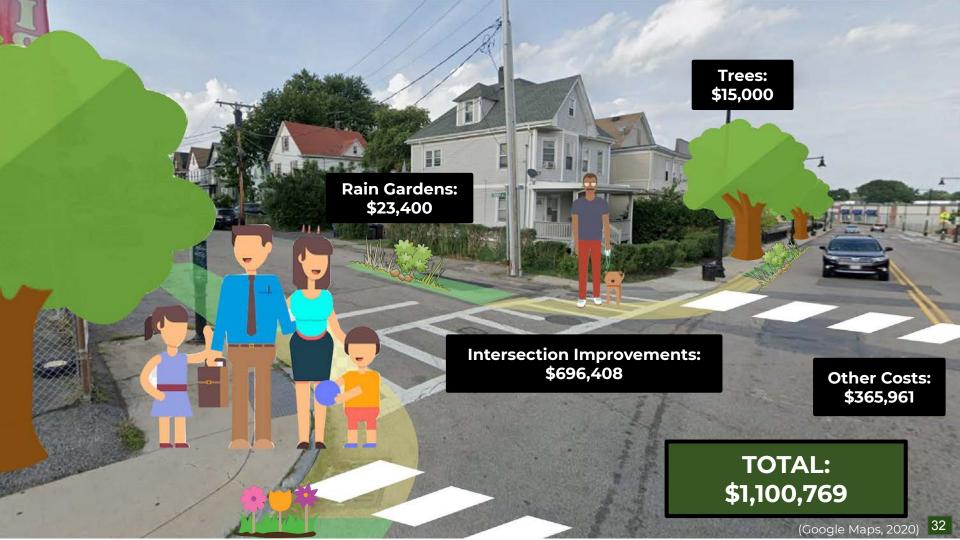
(Google Maps, 2020; Google Earth, 2020)



















We aim to improve the size and health of the urban forest in the greater Boston area, with a focus on under-served and under-canopied neighborhoods.





54.7 % Residents (19,703)

44.5 % School-Aged Children (2,779)

40 Businesses (1.00%)

> 10 Schools (71.4%)



(U.S. Census Bureau, 2019; Infogroup, Inc., n. d.; Boston Public Schools, 2019)

PROJECT AREA

ISSUES

PROPOSAL

FEASIBILITY

34



REFERENCES

Boston Planning & Development Agency. (2020). Development projects.

http://www.bostonplans.org/projects/development-projects?neighborhoodid=10&sortby=name&sortdirection=ASC

Boston Public Schools. (2020). School listings. https://www.bostonpublicschools.org/domain/175

Burden, D. (2006). Urban street trees: 22 benefits specific applications. State of Michigan.

https://www.michigan.gov/documents/dnr/22_benefits_208084_7.pdf

CAPA Strategies. (2019). Heat watch report: Boston, MA. http://www.northeastern.edu/helmuthlab/MOS/Final%20Report_Heat%20Watch%20Boston.pdf

City of Boston. (n. d.). Urban wilds: Hyde Park. https://www.boston.gov/departments/parks-and-recreation/urban-wilds-hyde-park

City of Boston. (2020). Hyde Park, we are investing in you: Capital plans for the fiscal years FY20-FY24. City of Boston.

https://www.boston.gov/sites/default/files/embed/h/hyde_park_2.pdf

Fairmount Collaborative. (2015, July). Fairmount Greenway: Connecting communities.

https://fairmountcollaborative.org/2016/wp-content/uploads/2016/08/FG Brochure vert July-2015.pdf

Fairmount Greenway Task Force. (2011). The Fairmount Greenway: Concept plan.

https://fairmountcollaborative.org/2016/wp-content/uploads/2016/08/Fairmount-Greenway-Concept-Plan-2012_-reduced.pdf

Infogroup, Inc. (n.d.). Hyde Park businesses [Map]. Retrieved March 14, 2020, from ReferenceUSA database.

Mazza, J. [@julianamazzatv]. (2019, October 7). UPDATE: Boston Police said the bus driver, and two people in the car are expected to survive the crash in [Three Images] [Tweet]. Twitter. https://twitter.com/julianamazzatv/status/1181199893303631872

Museum of Boston. (2019). Wicked hot Boston. https://www.mos.org/pes-forum-archive/wickedhotboston

Niezgoda, A. (2018, February 15). Children hospitalized after van crash in Hyde Park. NBC Boston.

https://www.nbcboston.com/news/local/children-hospitalized-after-van-crash-in-hyde-park-boston/128256/

O'Neil-Dunne, J. (2017). An assessment of Boston's tree canopy.

https://d279m997dpfwql.cloudfront.net/wp/2020/01/Boston-2016-Tree-Canopy-Assessment.pdf

Raciti, S. M., Hutyra, L. R., & Newell, J. D. (2014). Mapping carbon storage in urban trees with multi-source remote sensing data: Relationships between biomass, land use, and demographics in Boston neighborhoods. Science of the Total Environment, 500-501, 72-83. http://doi.org/10.1016/j.scitotenv.2014.08.070

San Francisco Municipal Transportation Agency. (n. d.). Automated speed enforcement. https://www.sfmta.com/projects/automated-speed-enforcement

Shen, R., Tao, S., & Yang, C. (2011). Study on the effect of corridor structures on urban heat island in Nanjing by remote sensing.

http://doi.org/10.1109/ICIST.2011.5765323

Speak for the Trees. (n.d.). Tree plantings. https://www.sfttbos.org/tree-plantings

Southwest Boston CDC. (2017). Massachusetts DHCD CITC Community Investment Plan (CIP). Commonwealth of Massachusetts.

https://www.mass.gov/files/documents/2017/08/zt/ SouthwestBostonCDCCIP.pdf?_ga=2.36178472.906817805.1584918419-917265254.1582679157

U.S. Census Bureau. (2019). ACS demographic and housing estimates. https://data.census.gov/cedsci/table?q=population&q= 1600000US2507000&hidePreview=false&tid= ACSDP1Y2018.DP05&vintage=2018&layer=place&cid=DP05_0001E

Ziter, C. D., Pedersen, E. J., Kucharik, C. J., & Turner, M. G. (2019). Scale-dependent interactions between tree canopy cover and impervious surfaces reduce daytime urban heat during summer. Proceedings of the National Academy of Sciences, 116(15), 7575-7580. https://doi.org/10.1073/pnas.1817561116

APPENDIX

RIVER STREET PEDESTRIAN CORRIDOR PLAN

Tree canopy coverage

Rain gardens

4-way Intersections

3-way Intersections

River Street Pedestrian Corridor

Hyde Park Neighborhood, City of Boston, MA

Cost Estimat

Prepared by: Group 6 - UA 805 - Spring 2020

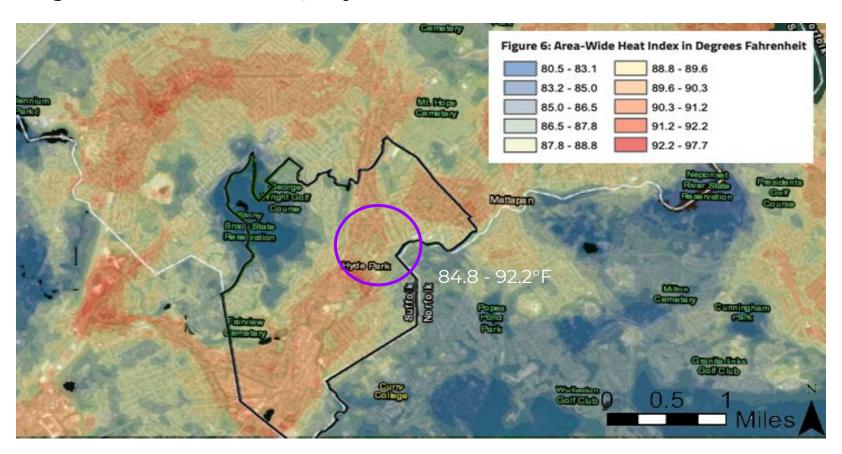
4/20/2020

ITEM	DESCRIPTION	UNIT	TOTAL QTY	UNIT PRICE	TOTAL COST
	Section 1 - Curb Extensions and Raised Crosswalks		i i	9	
1	CLASS B ROCK EXCAVATION	CY	450	\$150.00	\$67,500.00
2	PAVEMENT STANDARD MILLING	SY	2000	\$14.00	\$28,000.00
3	CEMENT CONCRETE SIDEWALK	SY	2000	\$65.00	\$130,000.00
4	CEMENT CONCRETE WHEELCHAIR RAMP	SY	500	\$105.00	\$52,500.00
5	SUPERPAVE SURFACE COURE - 12.5 POLYMER	TON	250	\$120.00	\$30,000.00
6	ASPHALT EMULSION FOR TACK COAT	GAL	2000	\$8.05	\$16,100.00
7	GRANITE CURB CORNER, TYPE A	FT	100	\$320.00	\$32,000.00
8	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS	FT	100	\$55.00	\$5,500.00
9	DETECTABLE WARNING PANELS (HUNTINGTON, REDDY)	EA	4	\$500.00	\$2,000.00
	A A CONTRACTOR OF THE STATE OF			SUBTOTAL	\$363,600.00
	Section 2 - Pavement Markings				
10	6 INCH REFLECTORIZED WHITE/YELLOW LINE (THERMOPLASTIC)	FT	140	\$1.15	\$161.00
11	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	FT	140	\$3.95	\$553.00
12	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)	FT	50	\$10.00	\$500.00
13	POST MOUNTED SIGNS, TYPE B	SF	75	\$105.00	\$7,875.00
			77.00	SUBTOTAL	\$9,089.00
1	Section 3 -Utilities		1,1		1
14	STANDARD INLET BOX, HEIGHT < /= 10'	EA	13	\$2,776.88	\$36,099.44
15	GRADE ADJUSTMENT OF EXISTING MANHOLES	SET	2	\$820.58	\$1,641.16
16	MISC UTILITY RELOCATION	LS	1	\$25,000.00	\$25,000.00
1 1				SUBTOTAL	\$62,740.60
,	Section 4 - GSI and Landscaping				
17	STORMWATER BUMPOUT-HUNTINGTON	SF	380	\$92.00	\$34,960.00
18	STORMWATER BUMPOUT-WALTER/WEBSTER	SF	380	\$92.00	\$34,960.00
19	STORMWATER BUMPOUT-REDDY	SF	380	\$92.00	\$34,960.00
20	STORMWATER BUMPOUT-WEST	SF	380	\$92.00	\$34,960.00
21	STORMWATER BUMPOUT-METROPOLITAN	SF	380	\$92.00	\$34,960.00
22	STORMWATER BUMPOUT- B/W HUNTINGTON & MET	SF	260	\$92.00	\$23,920.00
23	STORMWATER BUMPOUT- B/W ROSS AND DOYLE	SF	260	\$92.00	\$23,920.00
24	TREES FOR PLANTING	EA	75	\$200.00	\$15,000.00
25	STORMWATER PLANTERS	SF	760	\$92.00	\$69,920.00
	Will Control of the C		į	SUBTOTAL	\$307,560.00
					4242 222 22
SUBTOTAL SECTIONS 1-4 MAINTENANCE OF TRAFFIC - SUBTOTAL SECTIONS 1-4 LS 5.00% \$37.149.48					\$742,989.60
MAINTENANCE OF TRAFFIC - SUBTOTAL SECTIONS 1-4		LS			\$37,149.48
MOBILIZATIONG, CONSTRUCTION, ENGINEERING, INSPECTION - SUBTOTAL SECTIONS 1-4 LS 10.00% \$74,298.96					\$74,298.96
OPINION OF CONSTRUCTION COST					\$854,438.04
30% Contingency					\$256,331.41
TOTAL OPINION OF ESTIMATED COST					\$1,110,769.45

Created with assistance from:

- sample Engineer's Estimates provided by Kittelson & Associates
- City of Boston's Public Works Department: Special Provisions Documentation (https://www.boston.gov/sites/default/files/imce-
- uploads/2019-05/special_provisions_2019-05-07.pdf)
- City of Boston's Public Works Department: Roadway Design Standards (https://www.boston.gov/sites/default/files/imce-uploads/2019-
- 01/roadway_design_standards.pdf)
- Massachusetts Department of Transportation: Weighted Bid Prices (https://hwy.massdot.state.ma.us/CPE/WeightedAverageBook.aspx)
- Beverly, MA ADA Transition Plan (http://www.beverlyma.gov/wp-content/uploads/2014/03/Beverly-ADA-Ramps-Report-9-26-2012.pdf)

Evening Area-Wide Heat Index, July 2019



Surface Temperatures and Existing Tree Canopy Coverage in Project Area, August 2010

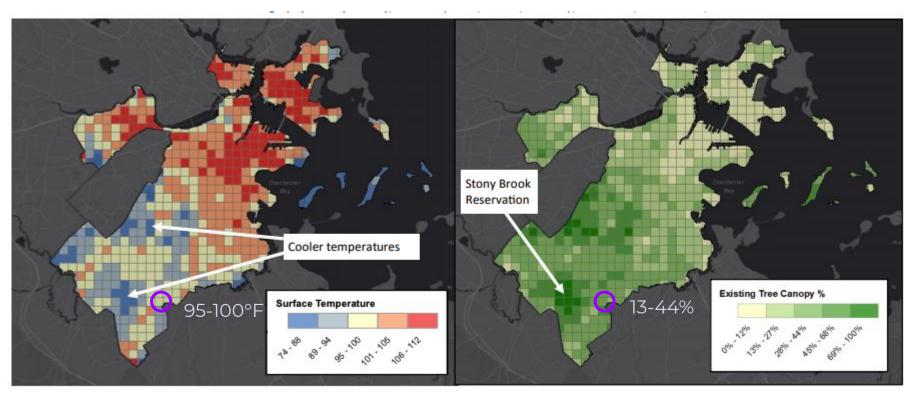


Figure 7: Surface temperature, degrees Fahrenheit on August 30, 2010 (left) in comparison with Existing Tree Canopy (right).