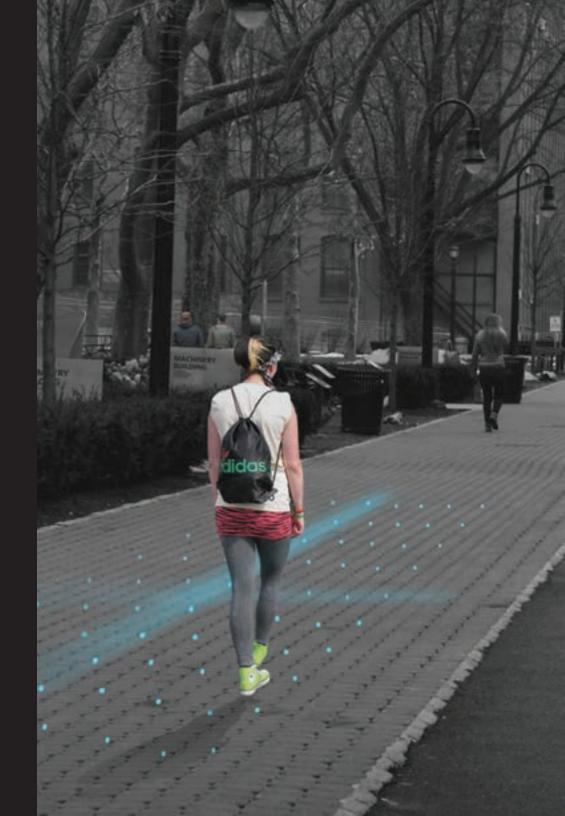


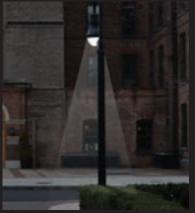
Legible Pratt

Legible Pratt is a "smart city" system that is explored through research, observations and interviews. With this collected anecdotal data, a methodology is created and applied to a variety of scales from campuses to cities.

The solutions proposed for Legible Pratt involve multi-layered systems that interact with people and services, providing a better experience for those who use and visit the Pratt Institute campus. This is achieved through new wayfinding systems, interactive installations and data-based indoor and outdoor displays.









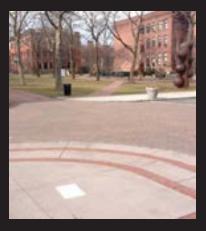


Methodology

Traditionally, the design process has been thought of as a linear and sequential process where research and analysis are designated to the very first phase of project development.

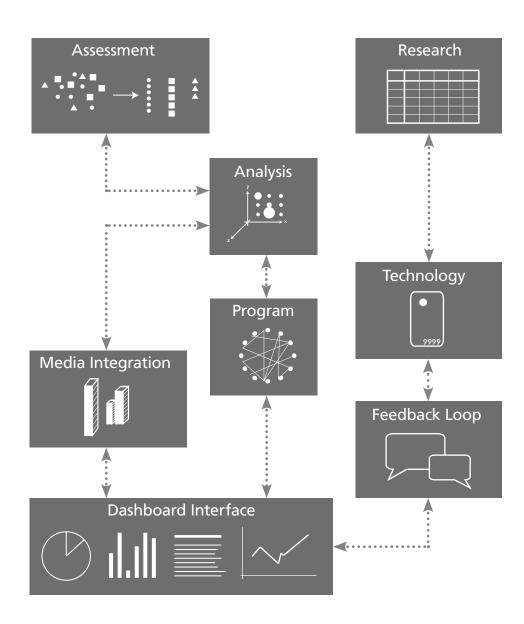
Alternatively, analysis and design for legibility of information does not require a linear process model such that research and design can inform each other as solutions develop.

This realization results in a process model that incorporates research, analysis and user feedback as integral, correlative components that inform design solutions to complex problems.





Legible Pratt Process



Program Matrix

- Why is making information legible be beneficial?
- What different information typologies that are/ could be relevant to users?
- Who uses the Pratt Campus?
- Where are the potential access points located?
- When is the access to this information needed?
- How will information be made legible on Pratt?

WHO

Demographic

Students
Faculty
Staff
Visitors
Local Community
Pratt Institute

WHAT

Content

Wayfinding/Traffic Calender/Events Facilities Operations Occupancy/Resources Knowledge Sharing

WHEN

Time

Weekday/Weekend Class Schedule Semester Phase Time of Day Season

WHERE

Location

Off Campus
Campus
Building
Interstitials
Entrance/Lobby
Floors
Rooms

WHY

Goals

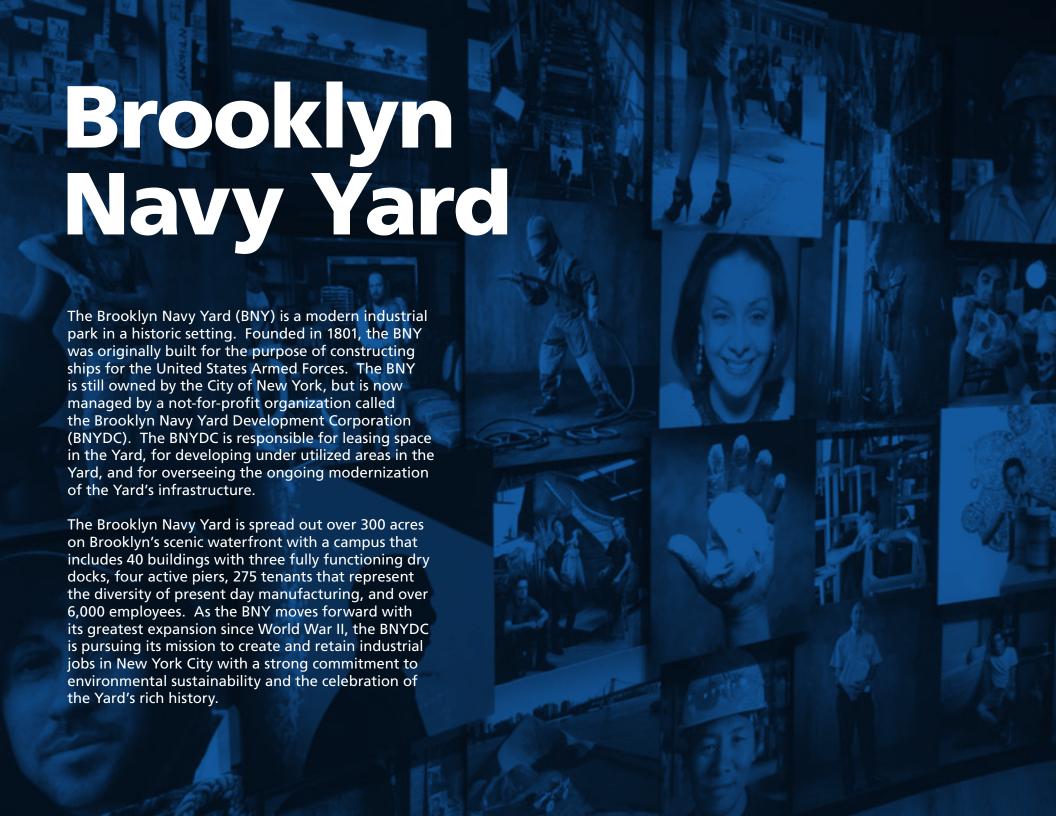
Predictive Modeling
Resource Allocation
Cost/Energy Saving
Knowledge Distribution
Interdisciplinary
Collaboration

HOW

Medium

Iconic Site Installation
Signage
Building Facade
Scrolling Text Display
Media Wall
Mobile Devices





BNY Program Matrix

The framework for analysis created for Legible Pratt was applied to the Brooklyn Navy Yard. Central to this analysis was considering how the proposed solutions can change the behavior of the users and enhance their experience.

WHO

Users

Tenants
Visitors
Clients
BNY Staff
Facilities Management
Security

WHAT

Wayfinding

Building Address
Orientation
Paths/Traffic
Public Facilities
Services
Identity

WHY

Goals

Safer BNY
Easy Wayfinding
Increased Accessibility
Efficient Circulation
Consistent Branding

WITH

Mode

Pedestrian Driver Biker

WHERE

Location

Security Entrances
Navy Yard Campus
Building Facade
Road
Sidewalk
Shuttle Stops

HOW

Medium

Navigation Signage Maps Speed Humps Ramps Visibility of Street Signs Clear Paths

Users vs. Wayfinding



Level of Significance **Key**

Building Info

Orientation

Paths/Traffic

Public Facilities

Services

Identity



Mode of Transportation

Types of Users

Current Wayfinding Signage





















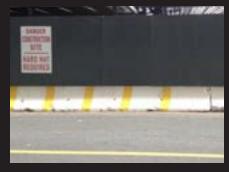




Current Transportation Signage

























Current Safety Signage

























Current Issues

Transportation

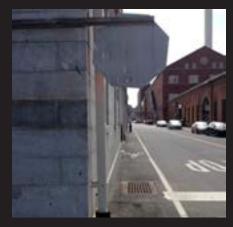
- a) Visibility and continuity of bike paths;
- b) Hierarchy of traffic paths and zones;
- c) Accessibility and navigability of public transportation within the Yard;
- d) Maintenance of signage and graphics that support traffic systems.

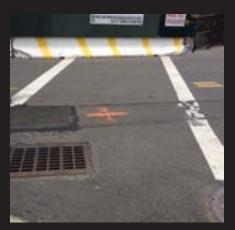
Wayfinding

- a) Inconsistent signage and branding;
- b) Difficulty searching and finding specific buildings and destinations;
- c) Clarity and scale of existing signage;
- d) Navigation from one destination to another within the Yard.

Safety

- a) Speed control of traffic;
- b) Appropriate placement and visibility of safety signage;
- c) Clearly defined circulation paths for different user typologies, especially for cyclists.













To conclude the first phase of Legible Brooklyn Navy Yard, we propose implementing a wayfinding system that addresses safety, signage and ease of navigation.

The alternative process model that was developed as a part of the Legible Cities project informs this multilayered design proposal for the Yard by mapping multiple types of users to better identify areas with wayfinding inconsistencies. This will result in specific, data-driven solutions that meet the current set of safety and signage needs at the Brooklyn Navy Yard.

Group & Accessible Parking Available through Clinton **Avenue Gate Entrance**

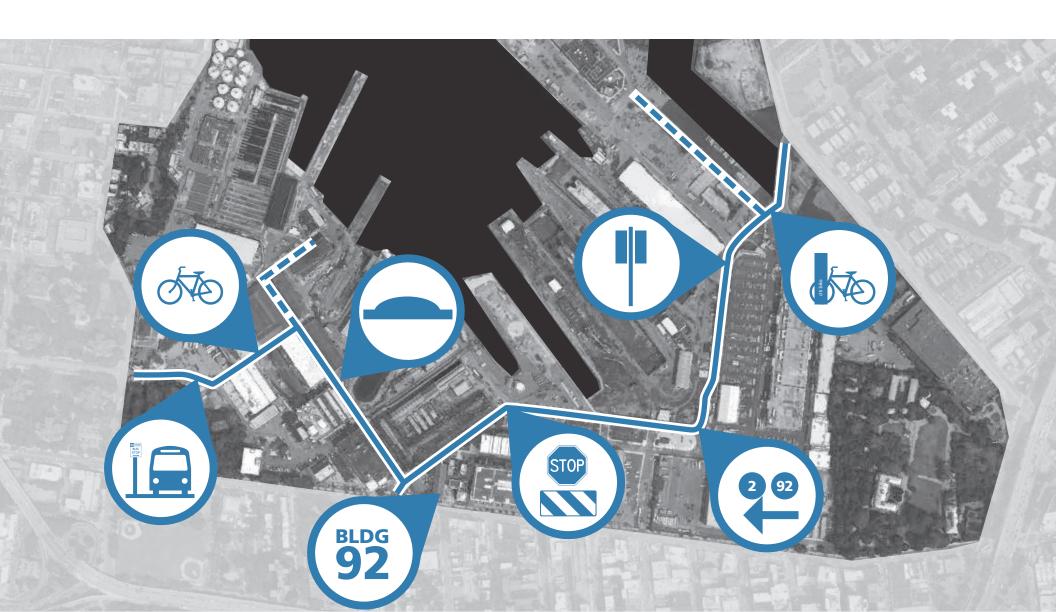
BROOKLYN NAVY YARD

CENTER

BLDG 92

EMPLOYMENT

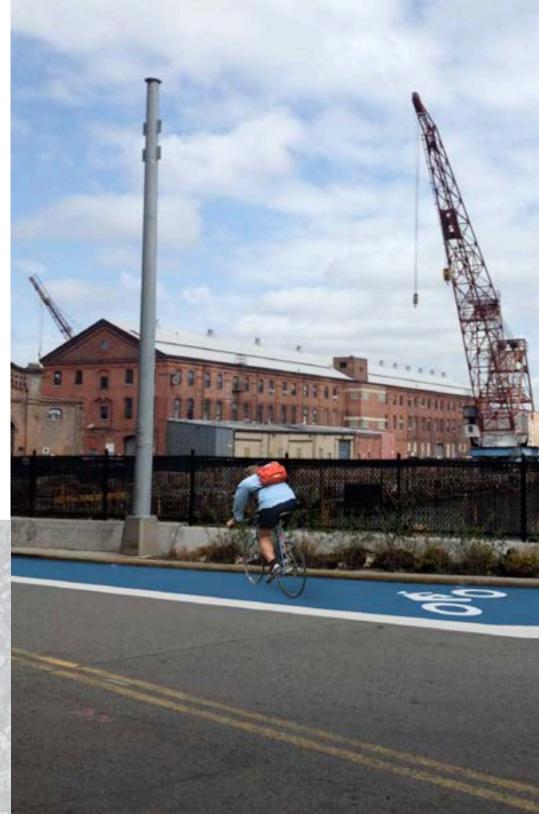
Path Experience Diagram



The Path







Signage By Speed

Current State

Change (Now)

Change (Future)



Current Conditions





Change (Now)

Painted Speed Hump

Physical Speed Hump



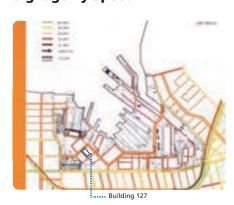
Digital Speed Hump



...



Signage By Speed



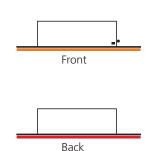
Current Speed





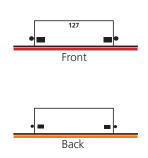
Sign-Symbol-Building Ratio

Current Elevation



Suggested: Change in size by speed

Suggested Elevation



Phases of Proposed Improvements

Improvements	Solution now (simple solution)	Future solution (Data driven)
Signage	- cohesive and simple signage - increase contrast	- signage from lights- on ground wayfinding system- live mass transportation access guide
Safety	- speed humps - re-painted street signs - appropriate placement of signs	- RFID card system that security can detect entering and exiting - knowledge sharing of improvements
Path	- painted/colored paths (main road & bike path) - pedestrians = stripes	- app/media platform (foot), RFID that navigates via light (modes of transportation),on ground wayfinding syster

Change in behavior within BKNY

Legible Experience Diagram

