Staten Island Dockless Bike Share: Beryl

Presentation to Community Board 1

October 13, 2020
Bike Share Overview
What is Bike Share?

Shared-Use Mobility

Network of shared bicycles
• Intended for point-to-point transportation

Increased mobility
• Additional transportation option
• Convenient for trips that are too far to walk, but too short for the subway or a taxi
• Connections to transit

Convenience
• Systems operates 24/7
• No need to worry about bike storage or maintenance

Positive health & environmental impacts

Citi Bike, the bike share system in Manhattan, the Bronx, Brooklyn, & Queens, is a station-based system.
Dockless Bike Share

A New Service Model

No stations or docks

Find, unlock and lock bikes through smartphone apps

Park anywhere within service area (service area boundaries enforced via GPS and on-street monitoring)
2018 - 2019 Pilots

A New Service Model

3 Pilot Areas

4 Operators
- Jump
- Lime
- Pace
- Citi Bike

DOT Evaluated:
- Service and Business Models
- Usage
- Safety and Reliability
- Parking
- Operations and Maintenance

Rockaways, Queens
Fordham, Bronx
North Shore, Staten Island

Staten Island pilot had most rides of the three pilot areas: 111,600 rides taken during pilot
2021 Dockless Project

Small pilots did not evaluate:
• Transportation function of dockless bike share
• Impact of dockless bike share at a larger scale

Requests for continuation of dockless service from:
• Elected officials
• Stakeholders
• Community members

Beryl chosen as new operator in after RFEI process in 2019

Original launch in spring 2020 delayed by COVID-19 pandemic
Beryl
What is Beryl?

United Kingdom-based bike share operator and the new Staten Island dockless bike share operator

Currently operating in five cities with:
- 2,500 vehicles (pedal bikes, pedal-assist bikes, cargo bikes, scooters)
- 430,000+ rides
- Over 1 million miles ridden
- 76,000 users

Beryl responsible for operations & maintenance

NYC DOT responsible for planning, outreach, & oversight
Beryl Bikes

Features

Lights
• Front laser light projects 20’ in front of bike (cyclists achieve 97% visibility in vehicle blind spots)
• Rear burner brake gets brighter as bike slows down, signals to other vehicles that bike is slowing down
• Front and rear turn on as soon as pedaling begins. Remains on for 2 mins when stopped

Seat
• Adjust to comfortably fit riders 4’11” to 6’5”

Frame
• Lightweight and step-through frame
Pricing

**Minute Bundles** – Best for regular use, buy upfront and save

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<th>Minutes</th>
<th>Price</th>
<th>Price per minute</th>
<th>Price for 20-minute trip</th>
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No fee to unlock a pedal bike, $1.50 fee to unlock an e-bike

**Pay as You Ride**
Best for single rides

- Bike unlock fee: pedal bike - $1; e-bike - $1.50
- Price per minute: pedal bike - $0.15; e-bike - $0.25
- Price for 20 minute trip: $4

**Day Pass**
Best for long days out

- Price: $12
- Unlimited rides for 24 hours
- Price for 20 minute trip: $12

Fees: Parking Outside a Bay: $3, Parking Outside of Service Area: $25
Discount pricing will be available for qualifying low-income riders
Beryl Bays

Organizing Bike Parking

Bays are designated parking areas, marked by paint on the sidewalk or roadbed

Can be found via smartphone app

Users will be charged a fee for parking outside of a bay and outside of the service area
Planning Principles

Bay Placement

Bike share success based on high density of stations and equal access to bays across service area

Bays located every few blocks

Bay locations determined by:
- Sidewalk width & accessibility
- Adjacent land uses
- Proximity to street furniture
- Community input
COVID-19 Response

Safety Protocols

Bikes regularly disinfected by field staff

Staff practice social distancing in the field and in repair facilities

In-app notifications to remind users to wash their hands

Updated protocols and reminders on website

Continue to follow latest local public health advice and requirements
Launch Plan & Bay Locations
Scope & Timeline

Larger service area and more bikes

128 Beryl Bays in Community Board 1
  • 61 on sidewalk
  • 67 on roadbed

350 Beryl bikes (mix of pedal bikes and pedal-assist electric bikes)

Begin bay installations in late fall 2020, complete in early 2021

Launch program in March 2021
Community Board 1: Sample Bay Details

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<th>Installation Type</th>
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<td>Roadbed</td>
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<tr>
<td>2211.01</td>
<td>Vanderbilt Av/Osgood Av</td>
<td>Sidewalk</td>
</tr>
<tr>
<td>2323.01</td>
<td>Hill St/Warren St</td>
<td>Sidewalk</td>
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</table>
Community Board 1: Sample Bay Details

Sidewalk Bay

Roadbed Bay
Next Steps
Next Steps

Additional feedback for bay plan and adjustments, if possible

Virtual stakeholder meetings

Site specific outreach and notifications

Install bays and program launch

Continued outreach, monitoring, and adjustments

Plan for Beryl expansion in Community Board 2 & 3
Thank You!

Questions?