2018 Dockless Bike Share Pilot

Presentation Overview

• What is Bike Share?
• Five-Borough Bike Share
• Summer 2018 Pilot
• Community Feedback
• Questions
What is Bike Share?
What is Bike Share

Shared-use mobility

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

- **Increased mobility**
  - Convenient for trips that are too far to walk, but too short for a taxi or the subway

- **Always available**
  - System operates 24/7

- **Payments vary**
  - Pay-per-ride or memberships available
Bike Share in NYC Today

Citi Bike

- Public-private partnership
- 12,000 bikes at 750 stations
- Users purchase annual or short-term memberships
- No City funds used
What is Dockless Bike Share

New service model

- **Model details**
  - No stations
  - Parking on sidewalk
  - Geofencing with GPS-enabled bikes
  - Primarily smartphone based

- **Two types**
  - Free-locking
  - Lock-to

- Potentially lower capital costs
How does it work?

Smartphone app based

• Search
How does it work?

Smartphone app based

- Search
- Scan
How does it work?

Smartphone app based

- Search
- Scan
- Unlock
How does it work?

Smartphone app based

- Search
- Scan
- Unlock
- Ride
How does it work?

General Parking Guidelines
- Search
- Scan
- Unlock
- Ride
- Park/Lock

1. On the sidewalk in line with street furniture
2. Leave clear path for pedestrian access
3. Kickstand must be down or locked to bike rack
Five-Borough Bike Share
Five-Borough Bike Share

Promote and expand bike share

- **5 years of Citi Bike**
  - Launched May 2013

- **High usage in service area**
  - Widely adopted within network

- **Evaluate dockless model**
  - Potentially lower capital cost
  - Opportunity to bring bike share quicker to more neighborhoods
  - Summer pilots will help test if this model works for NYC

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**16.3 million** Citi Bike trips in 2017

![Graph showing 5 Years of Citi Bike](image)
Safety in Numbers

Increasing cycling trips

- **2017 Safer Cycling Report**
  - More cyclists = safer riding for all cyclists
  - Cyclist killed and severely injured (KSI) declined in Citi Bike zone

Figure 9. Average Cyclist Fatalities per Million Trips

- New York City Cycling Trips (Millions per Year)
  - 1996-2000: 51
  - 2001-2005: 50
  - 2006-2010: 82
  - 2011-2015: 134

- Average Cyclist Fatalities per 100 Million Trips
  - 1996-2000: 44.2
  - 2001-2005: 30.4
  - 2006-2010: 23.2
  - 2011-2015: 12.8

Figure 12. Cyclist KSI Before & After Bike Share Launch

<table>
<thead>
<tr>
<th>Zone</th>
<th>Average Cyclist KSI Before (2010 - 2012)</th>
<th>Cyclist KSI After (2014)</th>
<th>Percent Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inside Bike Share Zone</td>
<td>165</td>
<td>137</td>
<td>-17%</td>
</tr>
<tr>
<td>Outside Bike Share Zone</td>
<td>233</td>
<td>224</td>
<td>-4%</td>
</tr>
<tr>
<td>Total</td>
<td>398</td>
<td>361</td>
<td>-9%</td>
</tr>
</tbody>
</table>
Safe Cycling

Promoting a safe cycling environment

- DOT Promotes cycling safety with:
  - Helmet fittings
  - Light and bell giveaways
  - Safety awareness classes
  - Commercial cyclist workshops
Summer 2018 Pilots
Summer 2018 Pilots

RFEI Respondents

- Pilot Program Respondents
  - JUMP
  - Lennybike
  - LimeBike
  - MetroBike
  - Mobike
  - Motivate
  - ofo
  - pace
  - P3GM
  - Quimo
  - Riide
  - Spin
Summer 2018 Pilots

- North Shore of Staten Island
- Coney Island, Brooklyn
- Rockaway, Queens
- Fordham Area in the Bronx
Summer 2018 Pilots

Small scale, short term

- **Goals**
  - **Test different models**
    - Free-locking bikes
    - Bikes that lock to bike racks
    - Pedal bikes
    - Pedal-assist bikes
  - **Apply lessons learned and community feedback for future pilots**
Community Feedback
Public Participation

Everyone has a voice

• Contact the pilot operator
  • All bikes will have easy-to-find customer service numbers

• Contact 311
  • Report any issues and get general information

• Contact DOT
  • Staten Island Boro Commissioner’s Office
    • 212-839-2400

More ways to provide feedback coming soon!
Thank You!

Questions?