




# Green Wave Progress Report

April, 2021

---

# 1. Citywide Bike Network Growth

Goal	Progress
<p>Install 20+ miles in 2019; build 30 miles of <b>protected bicycle lanes</b> (PBLs), annually, guided by a PBL vision document beginning in 2020</p>	<ul style="list-style-type: none"><li>• <b>28.9 lane-miles</b> of PBL completed in 2020</li><li>• <b>Installed 74.2 total lane-miles, including 33.2 miles of neighborhood networks</b> in Bay Ridge, Flushing, Elmhurst, East Elmhurst, Corona, and Jackson Heights</li></ul>  <p>5 Ave., Manhattan</p>
<p>Encourage increase in <b>cycling mode share</b> for safety and emissions reduction, with a target that 1 out of every 10 trips in NYC be taken by bicycle by 2050</p>	<ul style="list-style-type: none"><li>• Starting in May, biking over the East River Bridges was up <b>30%</b> (or <b>1.1 million trips</b>) compared to the same period in 2019</li><li>• Weekend ridership grew by <b>63%</b> at our seven automated counting locations (May – Dec) compared to last year</li><li>• Purchased 1<sup>st</sup> NYC DOT cargo e-bike to replace a single occupancy vehicle used for fieldwork with future plans to expand e-bike fleet</li></ul>
<p>Build 75 miles of bike lanes in <b>Priority Districts</b> by 2022</p>	<ul style="list-style-type: none"><li>• <b>13.8 lane-miles</b> installed in 2020</li><li>• <b>51.3 lane-miles</b> completed since 2017</li><li>• Launched community planning process in <b>East Flatbush</b> (CB 17)</li></ul>

# 2. Design & Infrastructure Upgrades

## Goal

Implement **new design standards** based on national and international best practices

Continue piloting **new designs** with rigorous **safety analysis**


## Progress

- Completed turn calming treatments at **44 of the 50 most dangerous intersections** for cyclists
- Installed **first rubber shared bus loading island** on Southern Blvd. in the Bronx

- Expanded toolbox and updated standards to include **green-back sharrows** and other new treatments and new design standards
- Installed **13** new bike-prioritized “**Green Wave**” **signal corridors**, including Crescent St. in Queens, DeKalb Ave. and Lafayette Ave. in Brooklyn, and 138<sup>th</sup> St. in the Bronx

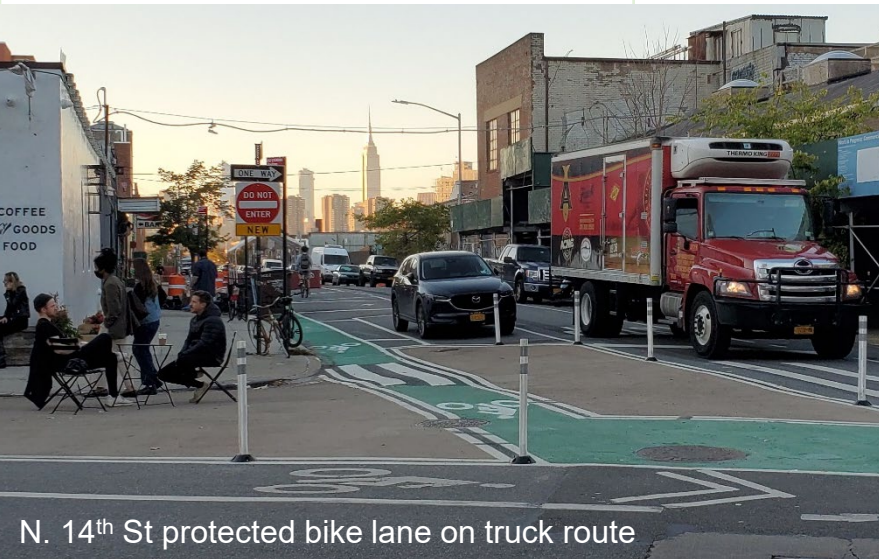


# 3. NYPD Enforcement

Goal	Progress
<p><b>Target enforcement</b> on highest risk activities: speeding, failing to yield, blocking bike lanes, oversized trucks/trucks off route</p>	<ul style="list-style-type: none"><li>• Selected <b>corridors in all boroughs</b> that show upward trends in bicycle related injuries caused by vehicles</li><li>• Conducted two-week enforcement waves on identified corridors with the goal of correcting dangerous driving behaviors</li></ul>
<p>Increase and target enforcement to ensure <b>safe driver behavior</b></p>	<ul style="list-style-type: none"><li>• Identified corridors where crashes have occurred and focused enforcement on dangerous driving behavior including speeding and districted driving</li></ul>  <p>The image shows a police officer in a high-visibility yellow vest and dark uniform, standing next to a dark-colored SUV. The officer is leaning towards the driver's side window, appearing to be in conversation with the driver. The scene is set on a city street with other vehicles and buildings in the background. A copyright notice '© NYC DOT' is visible in the bottom right corner of the image.</p>

# 4. Targeted Truck Initiatives

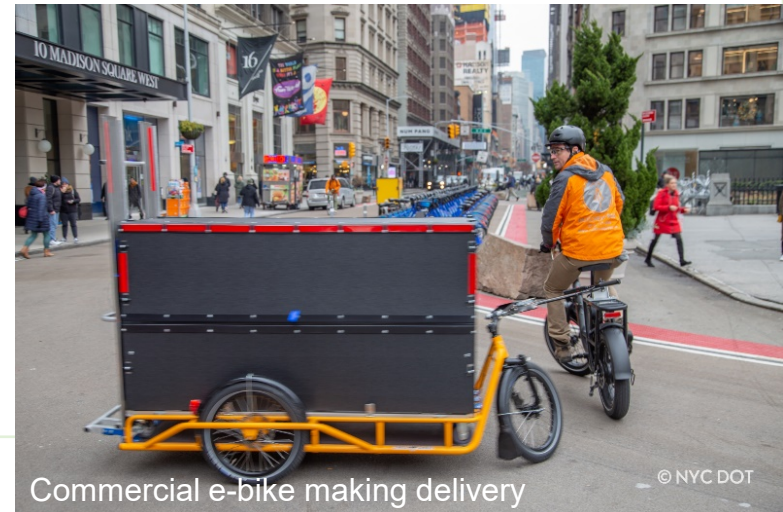
Goal	Progress
<p><b>Leverage partnerships</b> between public and private sector stakeholders</p>	<ul style="list-style-type: none"><li>• Expanded “I See You” training video for <b>private large fleet companies</b> to focus skills toward cyclist awareness and open streets</li><li>• Convened quarterly <b>Truck Safety Task Force</b></li></ul>
<p><b>Reduce conflicts</b> between trucks and cyclists</p>	<ul style="list-style-type: none"><li>• Included <b>protected bike lanes</b> into conflict-reduction truck route designs, e.g. E 14<sup>th</sup> St in Williamsburg</li><li>• Expanded <b>Off-Hour Deliveries Program</b> to help shift delivery truck activity to less congested times of the day (7 p.m. to 6 a.m.) when fewer cyclists are on the road.</li><li>• Added <b>Neighborhood Loading Zones (NLZ)</b>, growing to 111 zones along 26 corridors citywide to <b>reduce double-parking</b> on narrow residential streets and create safer environments for all road users</li></ul>



N. 14<sup>th</sup> St protected bike lane on truck route

# 5. Legislation and Policy

Goal	Progress
Support <b>policy</b> and legislation targeted at driver and cyclist behavior	<ul style="list-style-type: none"><li>• Created <b>education and outreach materials</b> regarding the safe and responsible operation of <b>e-bikes and e-scooters</b> following legal changes to allow their use in NYC</li><li>• Began preliminary steps to implement a <b>Dangerous Vehicle Abatement Program</b> (LL 36 of 2020) to educate repeat speed- and red light camera violators about the importance of safer driving</li></ul>
Encourage the use of <b>cargo bikes</b> for commercial deliveries	<ul style="list-style-type: none"><li>• Expanded <b>Commercial Cargo Bicycle Pilot</b>, to 6 companies and 350+ pedal-assist cargo bike</li><li>• Initiated a <b>cargo bike parking pilot</b> with bike corrals at Warren St. and Houston St.</li></ul>



Commercial e-bike making delivery

© NYC DOT

# 6. Education and Outreach

Goal	Progress
<p>Educate drivers with a <b>focus on cyclist safety</b> through <b>Vision Zero</b> public awareness campaigns</p>	<ul style="list-style-type: none"> <li>Continued <b>Vision Zero</b> “Worth It” campaign including “watch for cyclists” imagery and messaging</li> </ul>
<p>Continue to expand the “<b>Get There</b>” bicycle encouragement and rules of the road campaigns</p>	<ul style="list-style-type: none"> <li>Expanded <b>Biketober</b> programming to include <b>10 fix-it stations</b> offering rules of the road materials and free bicycle repairs, as well as new <b>self-guided rides</b></li> <li>Continued <b>Get There</b> cycling campaign, including social media campaign featuring <b>essential workers</b></li> <li>Distributed monthly cycling updates via <b>NYCycles</b>, achieving nearly <b>9,000 views</b></li> </ul>
<p>Increase <b>helmet giveaways</b> and helmet use encouragement</p>	<ul style="list-style-type: none"> <li>Developed virtual education program with linked helmet giveaway to support new commuter cyclists with <b>22 webinars</b> and remote distribution of <b>3,000+ helmets</b></li> <li><b>6,000 helmets</b> distributed through hospital injury prevention programs</li> </ul>



# COVID-19 Response

## Temporary Bike Lanes

- **11.1 lane-miles of temporary Protected Bike Lane miles** citywide with a focus on response corridors and critical gaps in the network with most converted to permanent and to be complete in 2021

## Bikes and Equipment to Hospital Workers

- **135+** bikes, locks and helmets donated to healthcare workers
- Installed **bike corrals** near hospitals and schools
- Piloted **contactless helmet distribution** in preparation for 2021



## Outreach & Education

- Continued **Get There cycling campaign**, including social media campaign featuring essential workers serving throughout the COVID-19 pandemic
- Published socially-distant **self-guided rides**
- Biketober **pop-up bicycle repair stations**
- Updated website to include bicycle events and COVID-19 safety guidelines
- Developed **virtual education program** to support new commuter cyclists
- **Delivery cyclist outreach** with Workers Justice Project





# Up Next

## Bike Infrastructure 2021 Highlights

- **30+ Protected Bike Lane miles citywide**, with a focus on further building out the Bronx network including installing 5+ protected bike lane miles
- Build on Open Streets to **launch new Bike Boulevard toolkit**
- Pilot Better Barriers to **test new materials for separating bike lanes**
- Increase bike parking as well as maintenance and inspection of existing hoop racks with goal of **adding 10,000 bike racks or 20,000 parking spaces by 2022**

## Planning Initiatives (New and Ongoing)

- Destination Greenways!, Brooklyn and Queens
- East Flatbush Network, Brooklyn
- East New York/Brownsville PBL Network and Planning, Brooklyn
- East Bronx Bike Network/E-Scooter Share
- Installation of Astoria Bicycle Network

## Outreach & Education

- **Update ‘Get There’ cycling campaign**, including new “Slow Your Roll” messaging
- **Increase Vision Zero Cycling Awareness and Encouragement**, including expanded Bike Month and Biketober programming, focusing on serving the Bronx, East New York and Brownsville, Sunset Park, and Upper Manhattan
- **Expand Trucks-Eye-View safety education campaign** to include a virtual imaging component and outreach through schools
- **Re-establish and grow the 7th Grade DOE collaboration** for Spring 2021 and continue expansion in academic year 2021-22

# New York City Protected Bike Lane Network

## Protected Bike Corridors

- Existing Protected Bike Lane
- Proposed Network Corridors

## Bike Lanes In Development

- 2021-2023 Potential Protected Bike Lane  
*Includes in-house and on-going capital work*
- 2023+ Potential Protected Bike Lane  
*Exact Routes To Be Identified*

## Priority Bicycle District

- Community District with High Cyclist KSI and Low Bicycle Network Coverage
- Neighborhood Network

*DOT will work to refine these routes using additional data sets, including considerations for truck routes, the Better Bus Plan, curbside uses and accessibility. DOT will work with stakeholder groups to set and prioritize future routes.*

