

# Post-Draft Plan Update

# **Outreach Summary**

200	✓Subway stations with digital screens ran digital messages systemwide at time of posting
50	✓ Social media posts promoting the Bronx Bus Network Redesign
13	✓On-street engagement events in the Bronx and Upper Manhattan in July and August
11	✓ Community Board presentations in the Bronx and Manhattan
9	✓Open Houses in the Bronx (8) and Upper Manhattan (1)
6	✓Workshops to introduce the project
3	✓Videos of our presentations to the Joint Borough Service Cabinet/Borough Board available on Bronxnet.org
2	✓ Fast Forward Community Conversations
1	✓Update to the public timeline with explanation to support transparency
<b>✓</b>	✓Met with all stakeholders who requested a meeting or phone call

# **Outreach Summary**

16,000 ✓ Pamphlets handed out by our street team or distributed on buses 15,000 ✓ Unique project webpage views 6,000 ✓ Posters printed for distribution on buses and in subway stations 2,419 ✓ Digital screens on buses ran digital messages systemwide at time of posting 2,000 ✓ Average views per social media post 1,300 ✓ Surveys completed between June and August ✓ Comments received via webmail, phone, twitter and mail 1,000 √Survey cards distributed

# Redesign Strategies

#### **More Direct Routings**

- Streamlined complex, circuitous routings to make them more simple, straight, and direct
- Bus routes with straight and direct routing tend to be more reliable

#### **Bus Stop Balancing**

- Every bus stop is a trade-off between convenience of access to the bus and the speed and reliability of service
- NYC buses have the shortest average stop distance (805 ft.) of any major city
- Improved stop spacing in the Bronx to get customers where they are going faster

#### **Improved Connectivity**

- Improved east-west bus connections which are crucial for intra-borough travel
- Improved connections to the subway lines
- Improved crosstown access to Manhattan

#### **Increased Frequency**

 Improved frequency for 11 routes on 9 key corridors to create an all-day frequent network

#### **More Bus Priority**

- NYCDOT has identified 10 key transit priority corridors in the Bronx
- Bus lanes and other priority treatments would provide the biggest benefit to customers
- NYCDOT, with MTA, continues to expand Transit Signal Priority (TSP) in the Bronx



# Proposed Final Plan

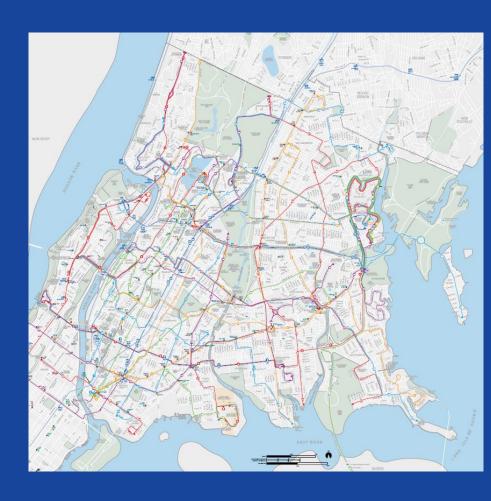
# **More Direct Routings**

- 18 total route changes are proposed with 2 new routes
  - Bx4A
  - Bx6 SBS
  - Bx11
  - Bx15
  - Bx18
  - Bx24
  - Bx25 (new)
  - Bx28
  - Bx29
  - Bx30
  - Bx34
  - Bx35
  - Bx36
  - Bx40
  - Bx42
  - Q50 Ltd
  - M100
  - M125 (new)



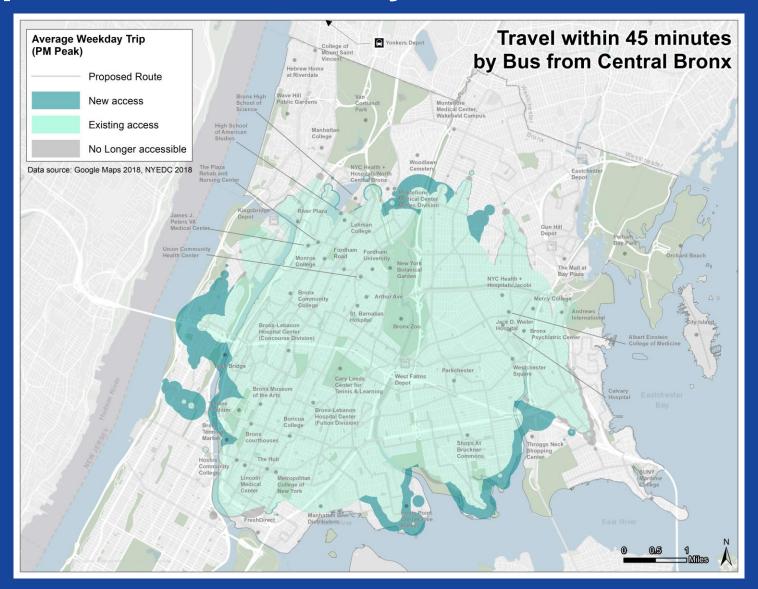
# **Improved Connectivity**

- Ease of connections at key transfer locations
- Route alignment changes bring new access for customers
  - Bx6 SBS extension to Soundview
  - Bx11 extension to Parkchester
  - Bx18 extension in High Bridge
  - Bx25 new service from
     Northern Co-op City to Bedford
     Park
  - Bx30 reroute to Boston Rd
  - Bx34 reroute to terminate at Fordham Plaza
  - Bx35 extension to West Farms
  - Bx40/42 new connection to E
     180 St 25 station



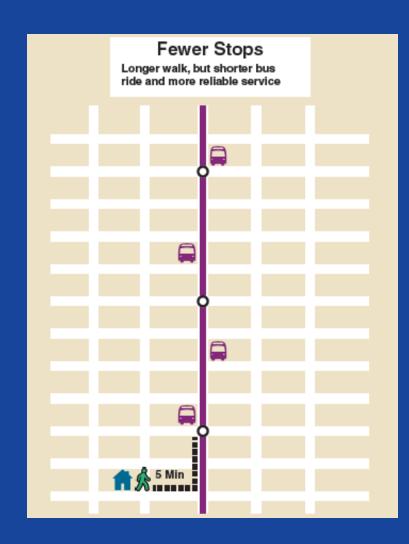


# **Improved Connectivity**



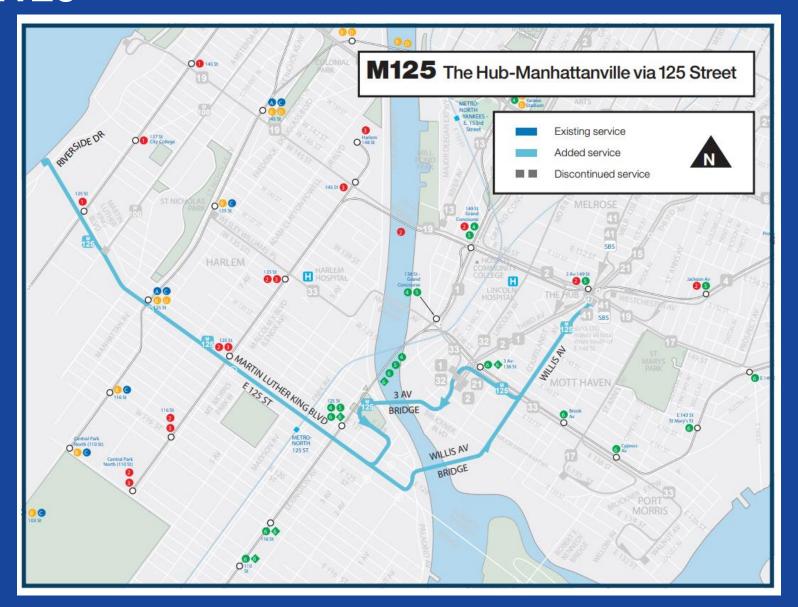
# **Bus Stop Balancing**

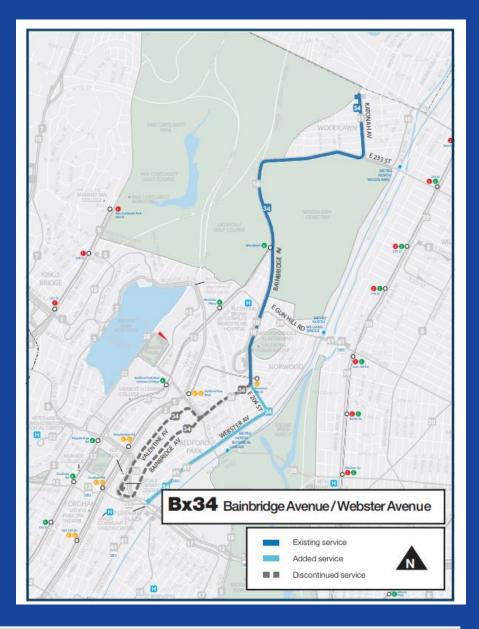
- 400 Local/Limited stops are proposed for removal
- This would improve average stop spacing from every 882 feet to every 1,100 feet
- For every bus stop removed 20 seconds is shaved off a customer's commute
- Those routes with fewer stop removals are due to severe drawbacks (such as elevation) and community impacts if spacing was more aggressive
- Maintained stops that provided connection to subway stations and other bus routes
- Maintained stops with heavy ridership, specifically those used by populations for whom a removal would present a significant burden (e.g. retirement communities, hospitals, schools)

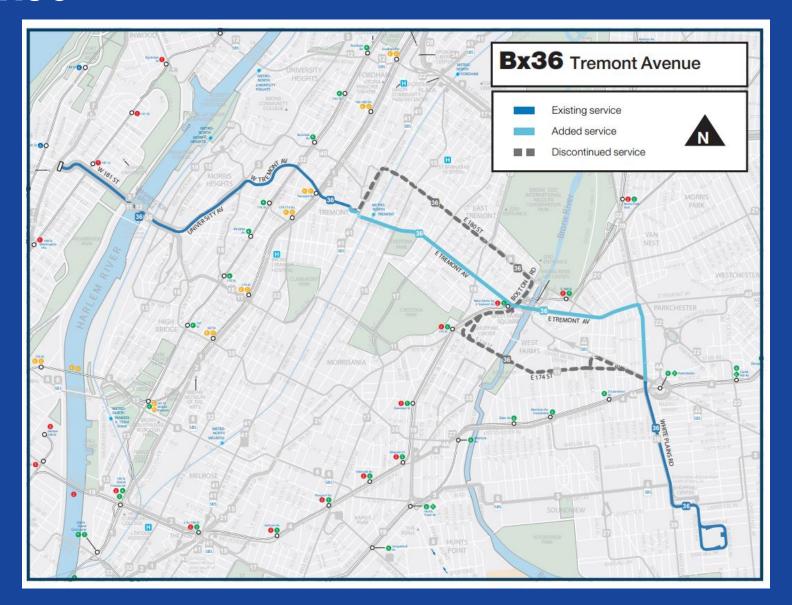


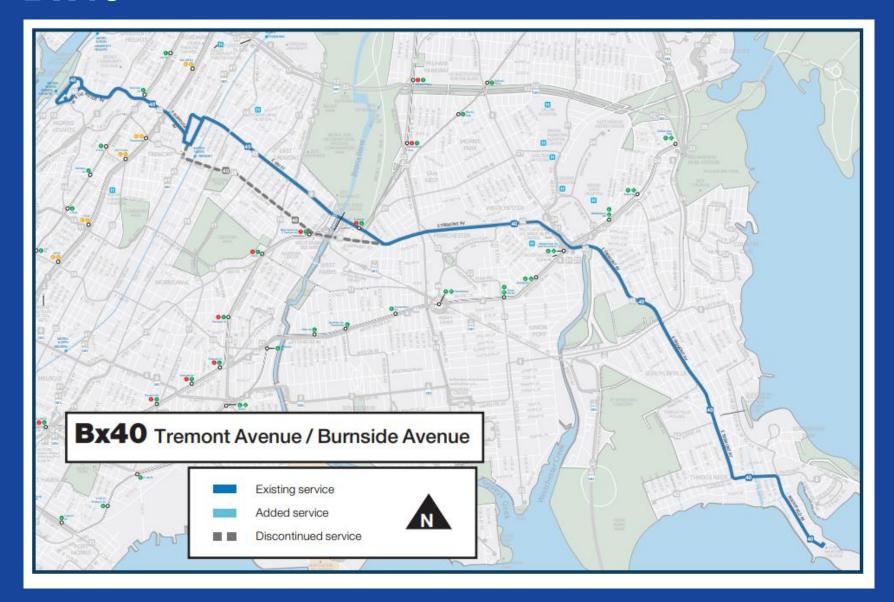


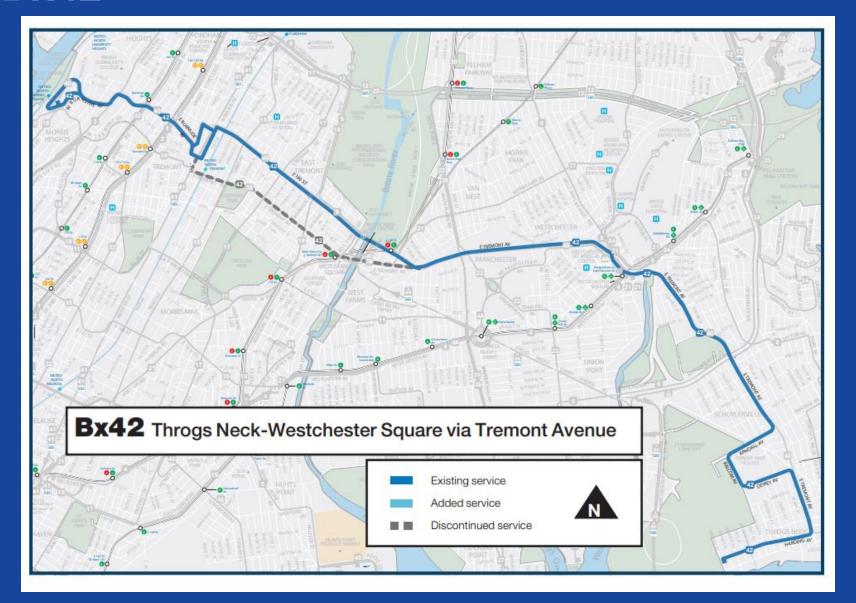
# M125











# **Increased Frequency**

Increase in frequency

Route	Frequency	Proposed	Proposed Frequency - Weekday (min.)				Proposed Service Span - Weekday		
	(min.)	(min.)	AM Peak	Midday	PM Peak	Evening	Overnight	SB/WB	NB/EB
Bx1	15-or-better	15-or-better	-	-	-	12	_	4:15 AM - 5:45 am 6:45 pm - 12:45 am	5:15 am - 6:45 am 8:00 pm - 1:45 am
Bx1 LTD			8	10	8	-	-	5:45 am - 6:30 pm	6:45 am - 8:00 pm
Bx2	15-or-better	15-or-better	8	9	8	15	-	5:00 am - 11:30 pm	6:00 am - 1:00 am
Bx1/2 Combined	8-or-better	8-or-better	4	5	4	7	-		
ВхЗ	8-or-better	8-or-better	6	7	7	8	-	5:15 am - 12:45 am	5:30 am - 1:30 am
Bx4	30-or-better	15-or-better	10	15	12	15	-	5:00 am - 12:45 am	5:30 am - 1:30 am
Bx4A	30-or-better	15-or-better	12	15	12	15	-	5:30 am - 12:00 am	5:30 am - 1:00 am
Bx4/4A Combined	15-or-better	8-or-better	6	8	6	8	-		
Bx5	15-or-better	15-or-better	5	12	8	9	-	5:00 am - 12:45 am	5:15 am - 1:15 am
Bx6	15-or-better	8-or-better	6	8	6	8	60	24 hours	24 hours
Bx6 SBS	15-or-better	15-or-better	8	12	10	10	-	5:30 am - 9:15 pm	5:30 am - 9:45 pm
Bx7	15-or-better	15-or-better	7	11	7	7	-	4:45 am - 1:30 am	4:45 am - 12:45 am
Bx8	15-or-better	15-or-better	9	13	10	12	-	6:00 am - 10:30 pm	5:30 am - 9:30 pm
Bx9	8-or-better	8-or-better	5	8	5	8	45	24 hours	24 hours
Bx10	15-or-better	15-or-better	6	10	8	9	40	24 hours	24 hours
Bx11	15-or-better	8-or-better	5	8	6	8	40	24 hours	24 hours
Bx12	15-or-better	15-or-better	10	12	9	13	40	24 hours	24 hours
Bx12 SBS	8-or-better	8-or-better	4	5	5	6	-	5:15 am - 10:00 pm	5:00 am - 11:00 pm
Bx13	15-or-better	8-or-better	4	8	4	6	-	5:30 am - 1:00 am	5:00 am - 12:30 am
Bx15	15-or-better	15-or-better	8	12	9	10	30	24 hours	24 hours
Bx15 LTD	15-or-better	15-or-better	7	11	8	12	-	5:00 am - 6:45 pm	5:30 am - 7:45 pm
Bx15 Combined	8-or-better	8 or better	4	6	4	6	30		
Bx16	30-or-better	30-or-better	7	20	10	17	-	5:00 am - 1:15 am	5:30 am - 12:30 am
Bx17	15-or-better	15-or-better	6	12	9	12	-	4:30 am - 12:45 am	4:15 am - 12:00 am
Bx18	30 or better	30-or-better	10	20	10	17	-	5:00 am - 1:00 am	5:00 am - 12:45 am
Bx19	8-or-better	8-or-better	7	8	7	8	45	24 hours	24 hours
Bx20	Peak Only	Peak Only	17	-	16	-	-	7:30 am - 9:00 am 3:45 pm - 8:00 pm	
Bx21	15 or better	15-or-better	7	10	8	10	45	24 hours	24 hours
Bx22	15-or-better	15-or-better	7	12	8	10	60	24 hours	24 hours
Bx23	30-or-better	30-or-better	6	20	6	15	-	5:30 am - 1:00 am	4:45 am - 11:45 pm
Bx24	30-or-better	30-or-better	30	30	30	30	60	24 hours	24 hours
Bx25	-	30-or-better	17	24	18	24	-	5:45 am - 10:45 pm	6:30 am - 11:30 pm



# Increased Frequency

Route	Frequency	Proposed	Proposed Frequency - Weekday (min.)					Proposed Service Span - Weekday		
	(min.)	(min.)	AM Peak	Midday	PM Peak	Evening	Overnight	SB/WB	NB/EB	
Bx26	15-or-better	30-or-better	17	24	18	24	-	5:30 am - 11:00 pm	6:15 am - 11:45 pm	
Bx25/26 Combined	-	15-or-better	9	12	9	12	-			
Bx27	15-or-better	15-or-better	5	12	6	9	40	24 hours	24 hours	
Bx28	15-or-better	15-or-better	10	15	11	13	40	24 hours	24 Hours	
Bx38	15-or-better	15-or-better	10	15	11	13	-	5:45 am - 9:45 pm	6:45 am - 10:00 pm	
Bx28/38 Combined	8-or-better	8-or-better	5	8	6	7	40			
Bx29	30-or-better	30-or-better	15	30	15	20	40	24 hours	24 hours	
Bx30	15-or-better	15-or-better	8	13	9	12	-	5:15 am - 11:30 pm	6:00 am - 12:00 am	
Bx31	15-or-better	15-or-better	8	12	9	12	-	5:15 am - 1:15 am	4:45 am - 12:45 am	
Bx32	30-or-better	30-or-better	9	13	11	20	-	6:00 am - 12:00 am	6:15 am - 11:30 pm	
Bx33	30-or-better	30-or-better	15	24	16	30	-	5:00 am - 12:30 am	4:30 am - 12:00 am	
Bx34	30-or-better	30-or-better	13	20	16	20	-	5:00 am - 1:00 am	5:00 am - 12:30 am	
Bx35	15-or-better	15-or-better	6	10	8	10	60	24 hours	24 hours	
Bx36	15-or-better	15-or-better	9	9	8	10	50	24 hours	24 hours	
Bx36 LTD	15-or-better	15-or-better	10	-	11	-	-	"6:45 am - 9:00 am 3:00 pm - 6:15 pm"	"6:45 am - 10:00 am 2:45 pm - 7:30 pm"	
<b>Bx36 Combined</b>	15-or-better	15-or-better	5	9	5	10	50			
Bx39	15-or-better	15-or-better	6	12	10	13	60	24 hours (overnight north of Gun Hill Rd)	24 hours (overnight north of Gun Hill Rd)	
Bx40	30-or-better	30-or-better	15	17	15	17	60	24 hours	24 hours	
Bx42	30-or-better	30-or-better	15	17	15	15	-	4:30 am - 1:00 am	4:00 am - 12:45 am	
Bx40/42 Combined	15-or-better	15-or-better	8	9	8	8	60			
Bx41	15-or-better	15-or-better	12	12	11	11	60	24 hours	24 hours	
Bx41 SBS	15-or-better	8-or-better	8	8	8	8	-	5:30 am - 9:00 pm	6:00 am - 9:45 pm	
Bx46	30-or-better	30-or-better	30	30	30	30	-	6:00 am - 12:00 am	5:30 am - 11:30 pm	
Q50 LTD	30-or-better	30-or-better	15	30	15	24	-	3:30 am - 12:00 am	4:25 am - 1:15 am	
M100	15-or-better	15-or-better	8	8	9	12	-	4:15 am - 12:15 am	5:15 am - 1:15 am	
M125	-	8-or-better	8	8	8	8	60	24 hours	24 hours	

No change in frequency Increase in frequency Decrease in frequency

# **Express Bus Schedule Changes**

- All service reductions are guideline-based
- Numerous routes showed extremely low ridership, especially in the reverse peak direction
- On weekends, most buses carry fewer than 10 passengers per trip across a 14-16 hour service span
- We also reduced span in the reverse-peak direction where ridership was extremely low
- We reinvested much of the savings into insuring our scheduled running time more accurately matches road conditions, hence, improving overall reliability

Route		Proposed	Frequency - W	leekday (min.)	Proposed Service Span - Weekday		
	AM Peak	Midday	PM Peak	Evening	Overnight	SB/WB	NB/EB
BxM1	8	30	12	30	-	5:30 am - 4:45 pm	6:45 am - 12:45 am
BxM2	15	60	15	30	-	6:00 am - 3:00 pm	12:00 pm - 12:45 am
ВхМЗ	20	60	20	60	-	5:30 am - 1:45 pm	3:00 pm - 12:00 am
BxM4	30	-	30	-	-	5:30 am - 7:30 am	4:30 pm - 6:30 pm
BxM5	30	-	30	-	-	5:30 am - 7:30 am	4:30 pm - 6:30 pm
BxM6	20	-	15	60	-	5:30 am - 8:45 am	3:15 pm - 12:15 am
BxM7	10	60	7	10	-	4:45 am - <b>3:00 pm</b>	12:00 pm - 1:30 am
BxM8	10	60	7	30	-	5:30 am - <b>12:00 pm</b>	1:00 pm - 12:15 am
BxM9	6	60	8	30	-	4:45 am - <b>3:00 pm</b>	1:00 pm - 12:15 am
BxM10	10	60	10	30	-	5:30 am - 10:00 pm	7:00 am - 12:15 am
BxM11	10	60	15	20	-	5:30 am - 1:00 pm	1:15 pm - 12:15 am
BxM18	20	-	30	-	-	<b>5:45 am</b> - 7:45 am	4:15 pm - 7:15 pm



# Next Steps

#### **Outreach**

- We have been out and about in the Bronx and Manhattan to hear from customers & other stakeholders
- Detailed information for public input sessions is on the project website <a href="https://new.mta.info/bronxbus">https://new.mta.info/bronxbus</a> redesign
- We have heard from local and express bus costumers and are working to refine the Proposed Final Plan and publish an update in early 2020

- An alternative Trip Planner is available on the project website to allow customers to test out their travel options under the Proposed Final Plan:
- https://otp-mta-proto.camsysapps.com/

# **Implementation**

- Following outreach, we will begin to finalize the <u>Bronx</u>
   <u>Bus Network Redesign Plan</u>
   prepare for implementation
- You will continue to hear from us as we grow closer to implementation

- Key Dates
  - Winter 2020
    - Public Hearing on Plan
    - MTA Board votes on Plan
  - Summer/Fall 2020
    - Implementation

# NYC DOT Bus Priority Corridors

# **Identified Bus Priority Corridors**



- NYC DOT analyzed 46 major Bronx corridors to identify where bus lanes and other treatments would speed up buses and allow the MTA to operate more frequent service
- The analysis ranked potential buspriority corridors using the following criteria:
  - Demand for bus service
  - Bus performance (speed and reliability)
  - Service levels proposed by MTA
  - Neighborhood demographics
  - Feasibility of implementation
  - NYC DOT selected 10 of the highest ranking corridors and has begun studying bus priority projects to accompany the network redesign, with work beginning in 2020

# **NYCDOT Bus Priority Toolkit**





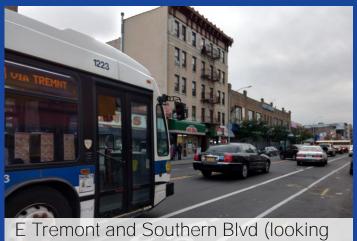


- NYC DOT has developed and implemented bus priority treatments to provide faster, more reliable bus service:
  - New bus lanes
  - Upgraded bus lanes
  - Protected bus lanes
  - Bus boarders
  - Bus queue jump signals
  - Curb management
  - Pedestrian safety
  - Bus stop accessibility
  - Turn restrictions
- Other bus-supportive technologies: Transit Signal Priority (TSP) and Real-Time Passenger Information (RTPI)
- Better Buses Action Plan sets annual goals for bus improvements:
  - 10 miles of new bus lane
  - 5 miles of upgrades to existing bus lanes
  - 300 intersections of new TSP

# **Tremont Avenue**

#### **Sedgwick Ave to Boston Rd**



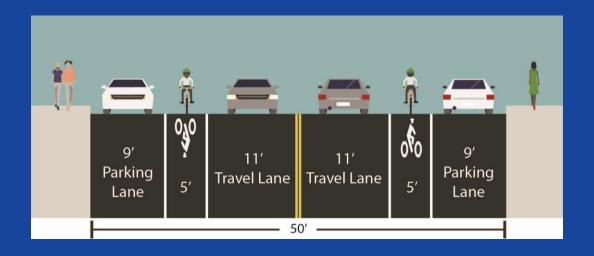


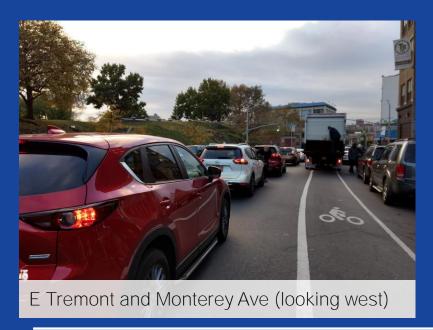
Bx36 bus route carries 36,800 weekday riders

- Major destinations:
  - Tremont Avenue Shopping
  - Tremont Park
  - Connections 11 Bus
     Routes and the B/D, 2/5
     Subway Lines and Metro North Trains
- Average bus speeds: 4.3 mph during PM peak
- Key issues:
  - Congested corridor w/ slow bus speeds
  - Double parking
  - Vehicles blocking bus stops

west)

# **Tremont Ave: Current Conditions**







## **Tremont Ave: Potential Treatments**





# DOT will study feasibility by analyzing:

- Geometric feasibility
- Traffic volumes and turning movements
- Curb access / double parking issues
- Existing bus delays

#### **Benefits of potential treatments:**

- Increases bus speeds by bypassing traffic queues
- Make bus travel times more reliable

## Fordham Rd

Cedar Ave to White Plains Rd



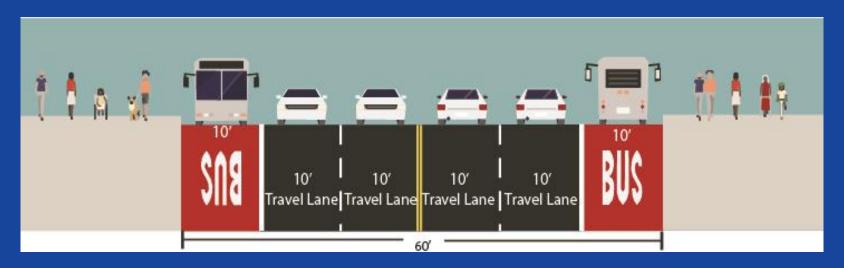


- Bx9, Bx12 SBS/Local, Bx17, and
   Bx22 carry 113,700 weekday riders,
   of which 53,100 use the Bx12 SBS
   & Local
- Major destinations:
  - Fordham Rd Shopping
     District, Arthur Avenue, and

     Fordham Plaza
  - Bronx Zoo, NY Botanical Garden
  - Fordham University
  - 1,2, 4, 5, A, B/D subways;
     Metro North train
- Bus speeds have significantly and consistently declined in recent years
- Key issues:
  - Traffic congestion
  - Heavy commercial activity
  - Sidewalk crowding



# **Fordham Rd: Current Conditions**







## **Fordham Rd: Potential Treatments**

#### Benefits of treatments:

- Increases bus speeds
- Decrease travel times and improve reliability for 113,700 riders
- More efficient organization of travel lanes and accommodation of commercial loading needs
- Enhances
   pedestrian safety
   and reduces
   sidewalk crowding









# **Next Steps**

#### **Fall 2019**

- Present potential treatments to CBs
- Ongoing coordination with MTA
- Collect feedback from businesses
- Additional data analysis and plan development

#### Winter 2019/2020

- Develop draft street design plans
- Present draft plans to community boards

### Spring 2020

- Develop final street design plans
- Present final plans to community boards

#### Summer/Fall 2020

Implement project improvements

# Thank you

FastForward.mta.info
New.mta.info/BronxBusRedesign
#fastforwardNYC

