

# 42<sup>nd</sup> Street Transit Improvements

Community Board 6 | September 4, 2019



# PRESENTATION OVERVIEW

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1. Project Recap
2. Updated Proposal
3. Summary / Next Steps

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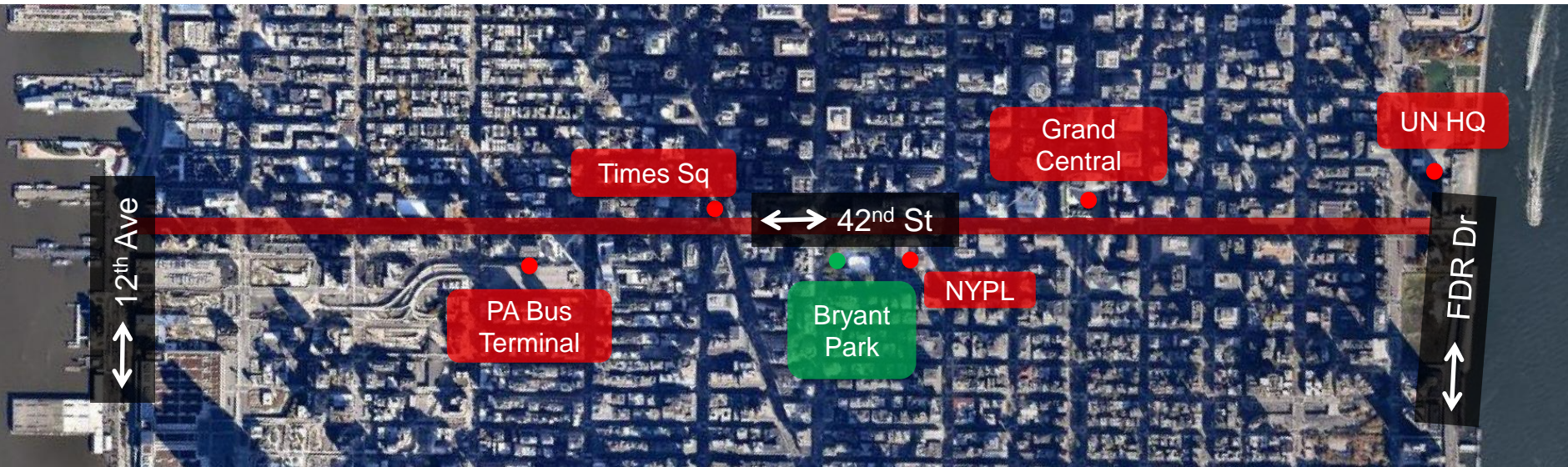
# Project Recap

# 1

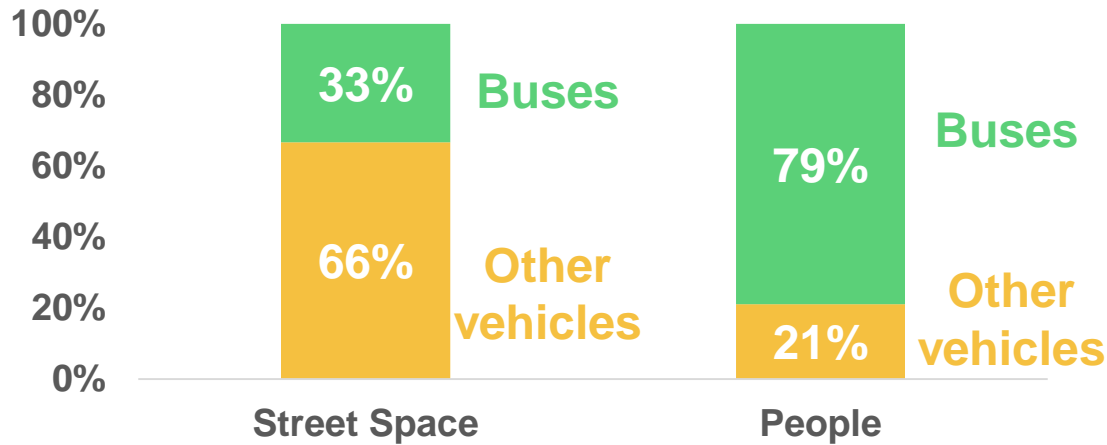


# 42<sup>ND</sup> STREET PROJECT EXTENTS

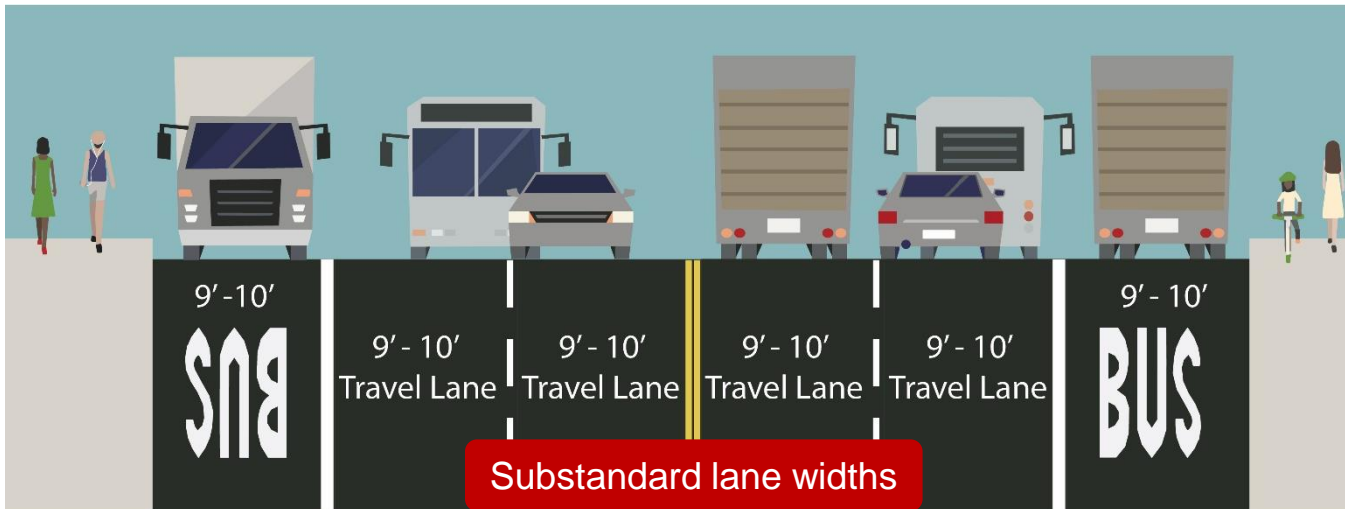
- Plan extends from 12<sup>th</sup> Ave to FDR Drive
- AM/PM bus speeds along 42<sup>nd</sup> St are **4.0 MPH**, compared to citywide average of 7.7 MPH
- Important crosstown transit corridor carrying 8 MTA bus routes with 16,000 daily riders



# ALLOCATING STREET SPACE



**Buses operate on the margins of 42<sup>nd</sup> St, but carry the majority of the people.**



**Bus lanes in effect  
7-10 AM, 4-7 PM  
except Sunday**

# BUS TRAVEL TIMES

**M42 Running Time (Min, end to end)**

Direction	Day	Time of Day				
		12-6am	6-10am	10am-3pm	3-7pm	7pm-12am
EB	Weekday	18.8	33.1	34.4	29.4	24.3
	Weekend	18.7	20.7	29.1	30.8	25.2
WB	Weekday	15.8	26.4	32.1	35.2	22.6
	Weekend	16.4	19.1	27.8	29.3	23.2

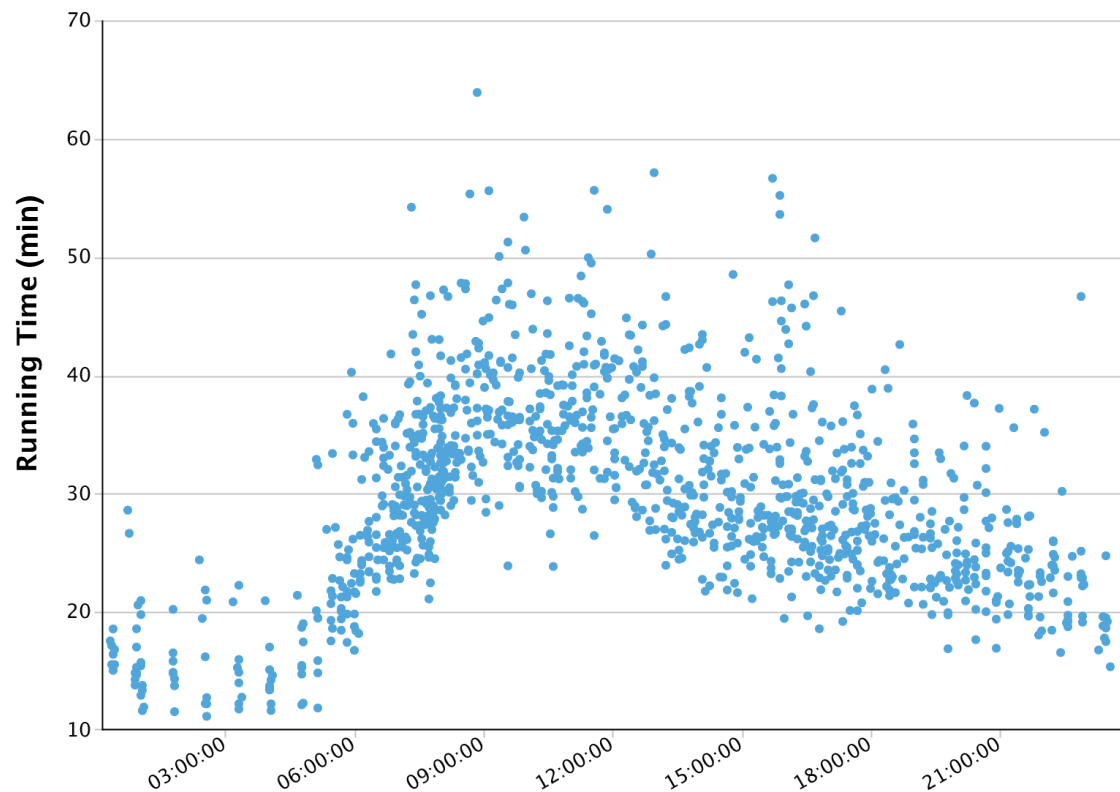
Source: MTA NYCT

- Bus travel times are nearly double their overnight times throughout the day
- Trips are consistently long starting with the AM peak hour and through the PM peak
- On average, M42 buses spend more than 40% of their time stalled in traffic, at red lights, or crawling

# BUS RELIABILITY ISSUES

- Bus running time is unreliable even within the same time period due to varying traffic conditions day to day
- Runs can vary by 20-40 minutes, leading to bus bunching, long/unpredictable waits at the bus stop, and crowding on the bus

**M42 Running Times, Weekdays EB**



Source: MTA NYCT

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## Updated Proposal

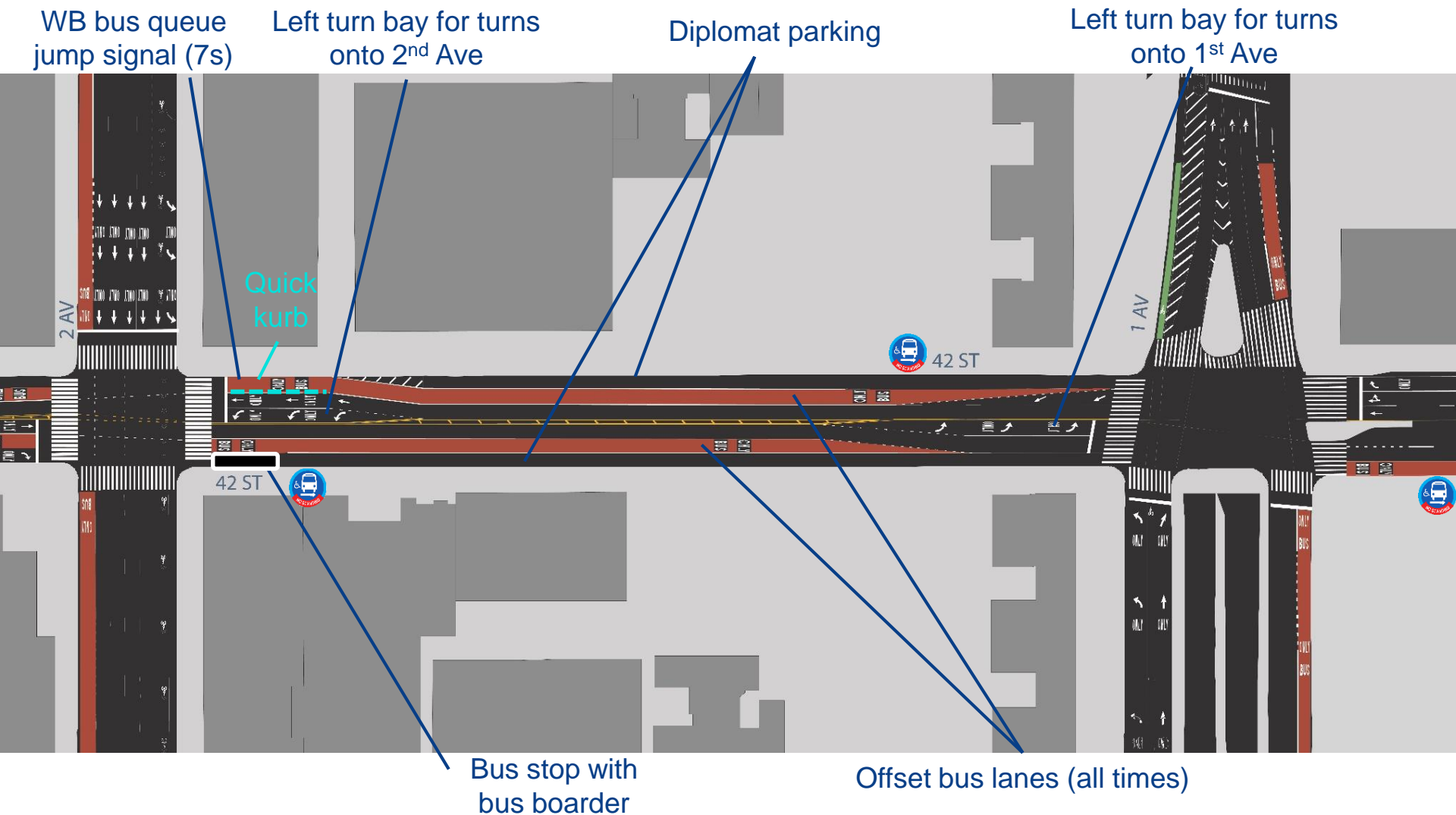
# 2



# TRANSIT STREET DESIGN TOOLKIT

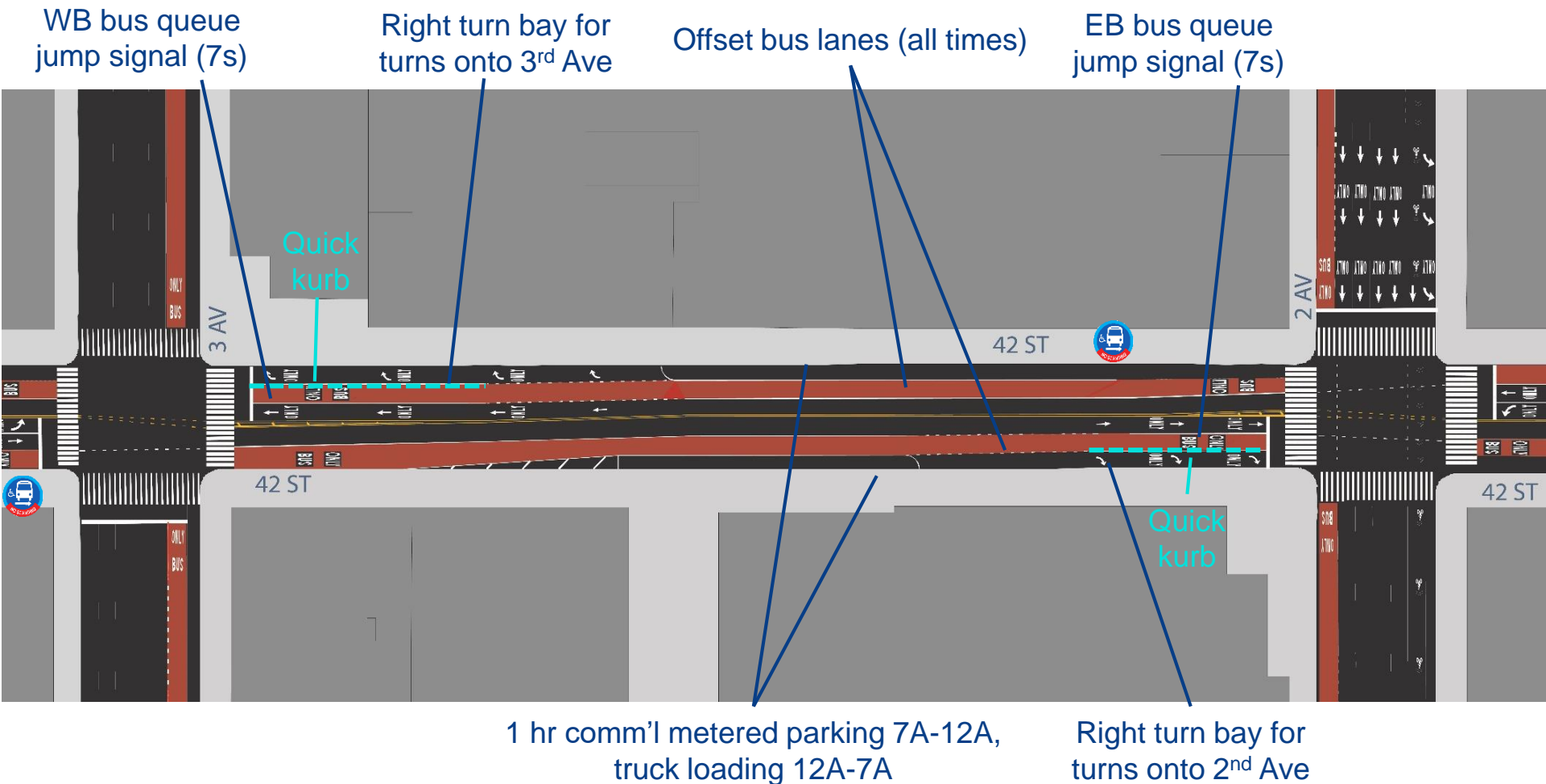


# UPDATED DESIGN 2<sup>ND</sup> AVE – 1<sup>ST</sup> AVE

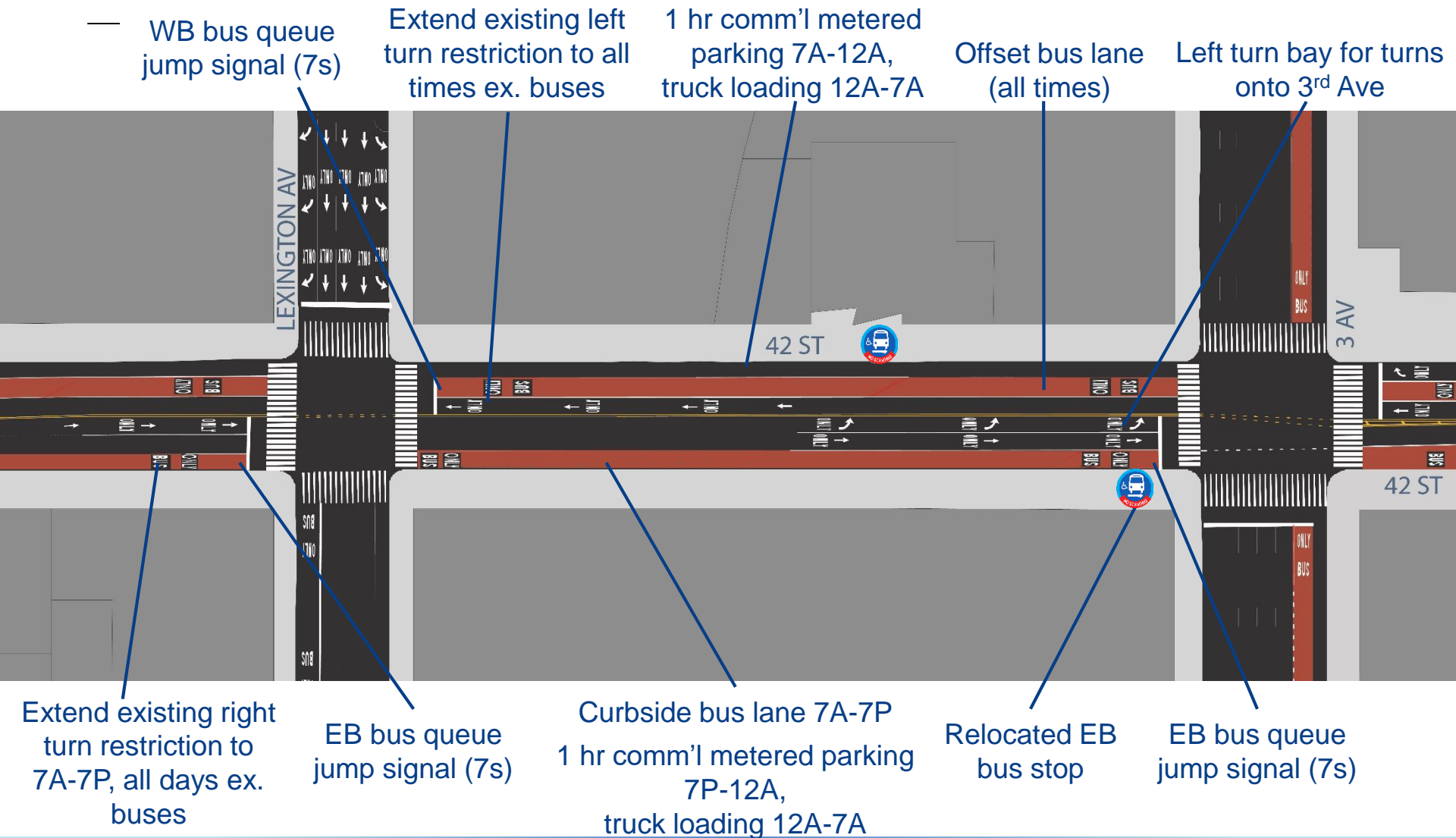




# UPDATED DESIGN 3<sup>RD</sup> AVE – 2<sup>ND</sup> AVE



# UPDATED DESIGN LEXINGTON AVE – 3<sup>RD</sup> AVE



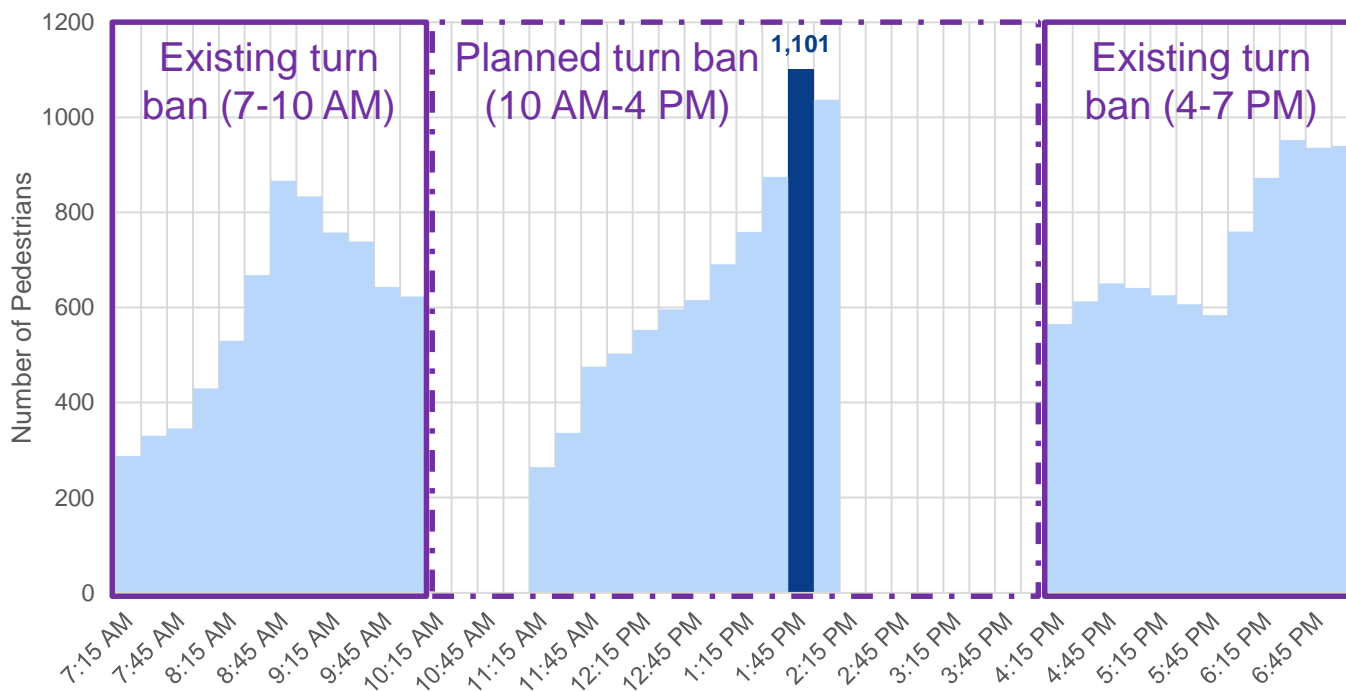


# CHANGES TO TURN RESTRICTIONS

Location	Turn Direction	Current Regulation	New Regulation	Max. Impacted Hourly Turns	Nearby Alternatives
<b>7 Ave</b>	Right turn EB to SB	Permitted All Times for All Vehicles	<b>Restricted All Times for All Vehicles</b>	135 (Midday Peak)	44/40 St to 7 Ave, 42 St to 9 Ave /Broadway
	Left turn WB to SB	Restricted All Times Except Buses	<b>Restricted All Times for All Vehicles</b>	3 buses (Midday & PM Peaks)	43/41 St to 7 Ave, 42 St to 9 Ave /Broadway
<b>6 Ave</b>	Left turn EB to NB	No Turns 7am-7pm Except Sunday	<b>Restricted All Times for All Vehicles</b>	125 (Weekend Peak)	44/40 St to 6 Ave, 42 St to 8 Ave
<b>Lexington Ave</b>	Left turn WB to SB	No Turns 7am-7pm Except Sunday	<b>Restricted All Times Except Buses</b>	50 (Weekend Peak)	39/43 St to Lex Ave, 42 St to 2 Ave
	Right turn EB to SB	No Turns 7-10am, 4-7pm Mon-Fri Except Buses	<b>No Turns 7am-7pm Except Buses</b>	115 (Midday Peak)	41/40 St to Lex Ave, 42 St to 2 Ave

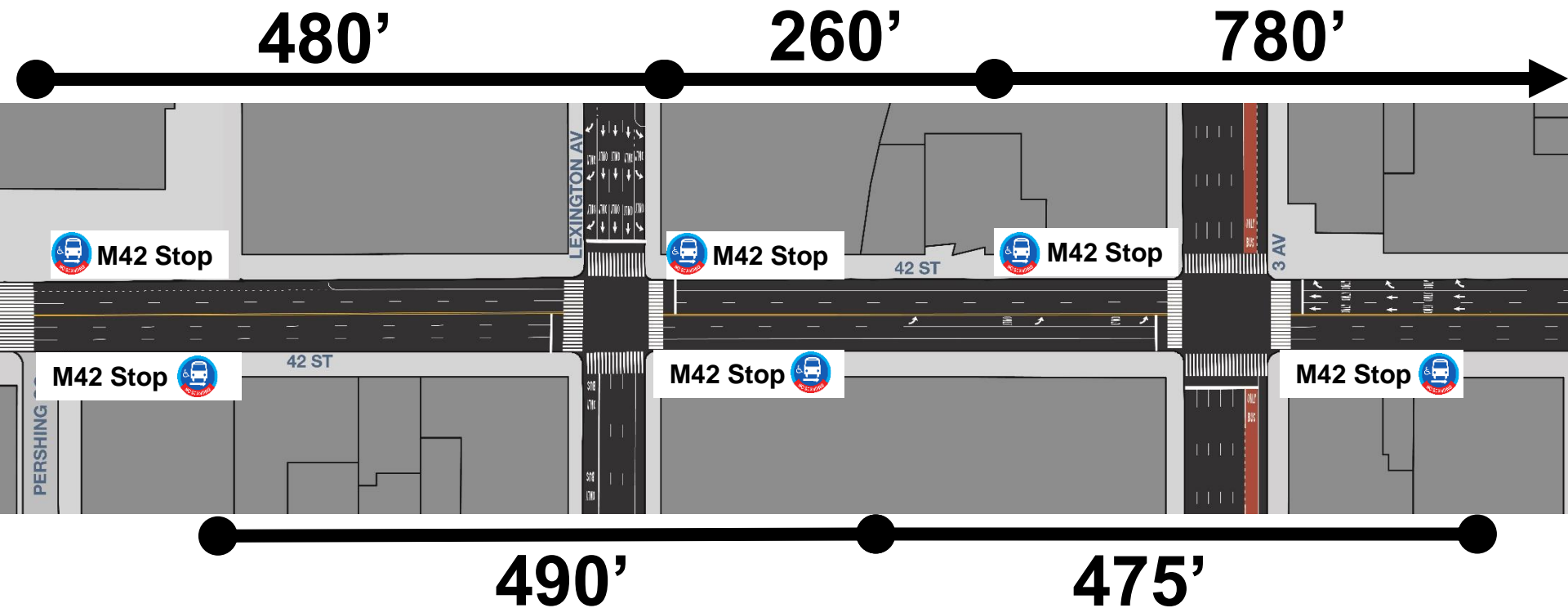
# LEXINGTON AVE TURNS & PEDESTRIANS

Pedestrians Crossing Lexington Ave at 42 St (southern crosswalk)



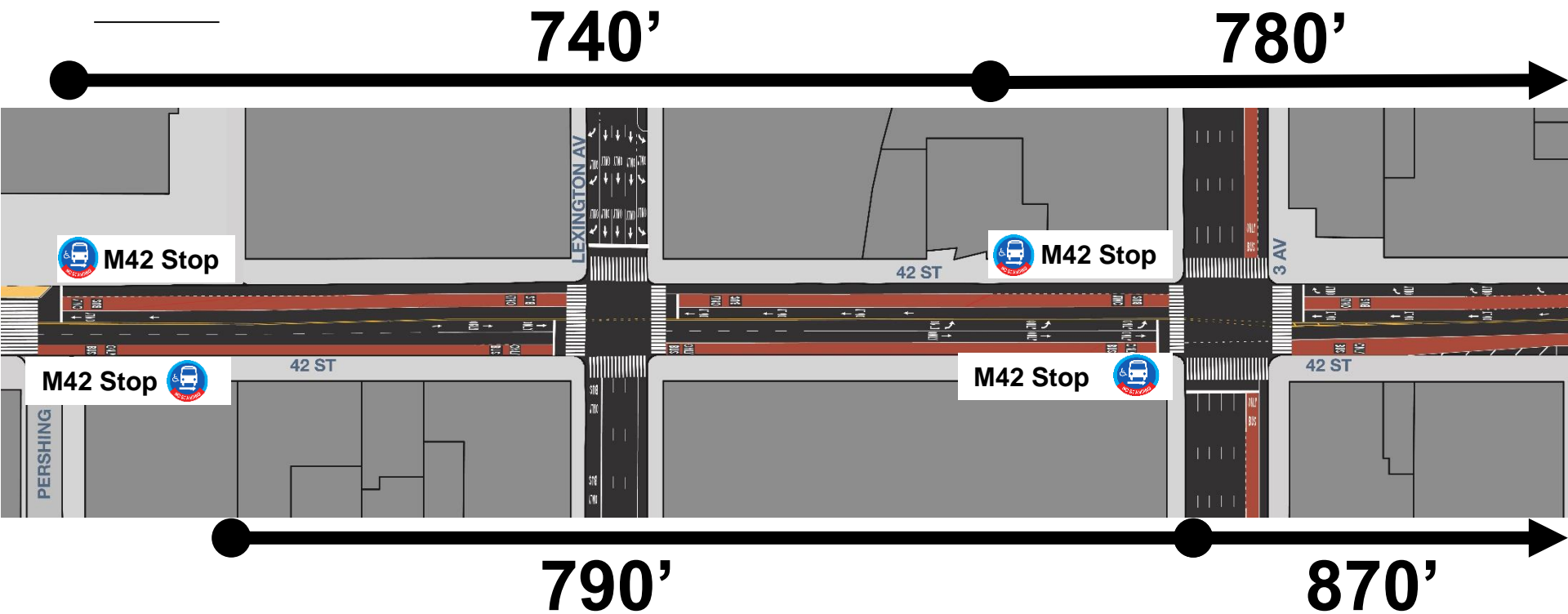
- Banning turns through the midday provides operational and safety improvements along 42 St due to high midday pedestrian volumes
- Estimated 120 hourly would-be right turns are already banned during the peak hours

# BUS STOPS - EXISTING



- Park Ave – 3<sup>rd</sup> Ave: 3 stops within 2 short blocks in each direction

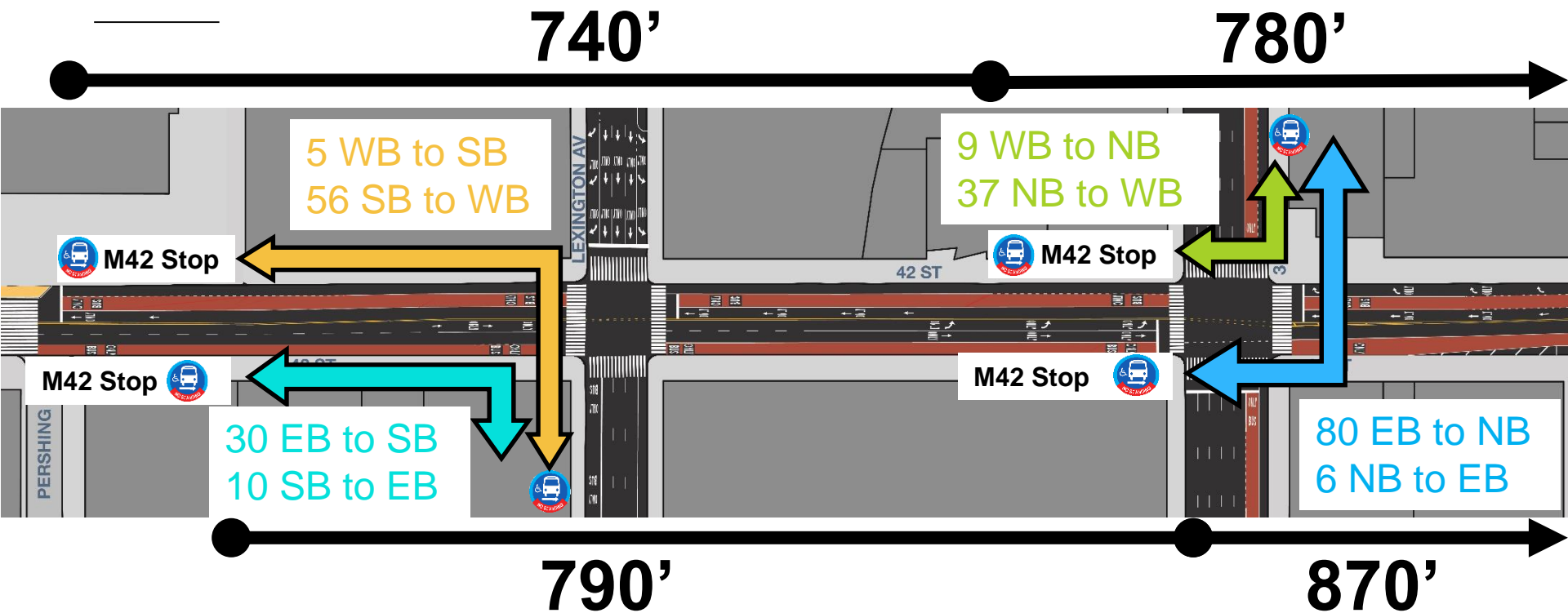
# BUS STOPS – PROPOSED CHANGES



- Consolidate Lex Ave and 3<sup>rd</sup> Ave stops to improve stop spacing, more closely matching standard spacing along rest of 42<sup>nd</sup>

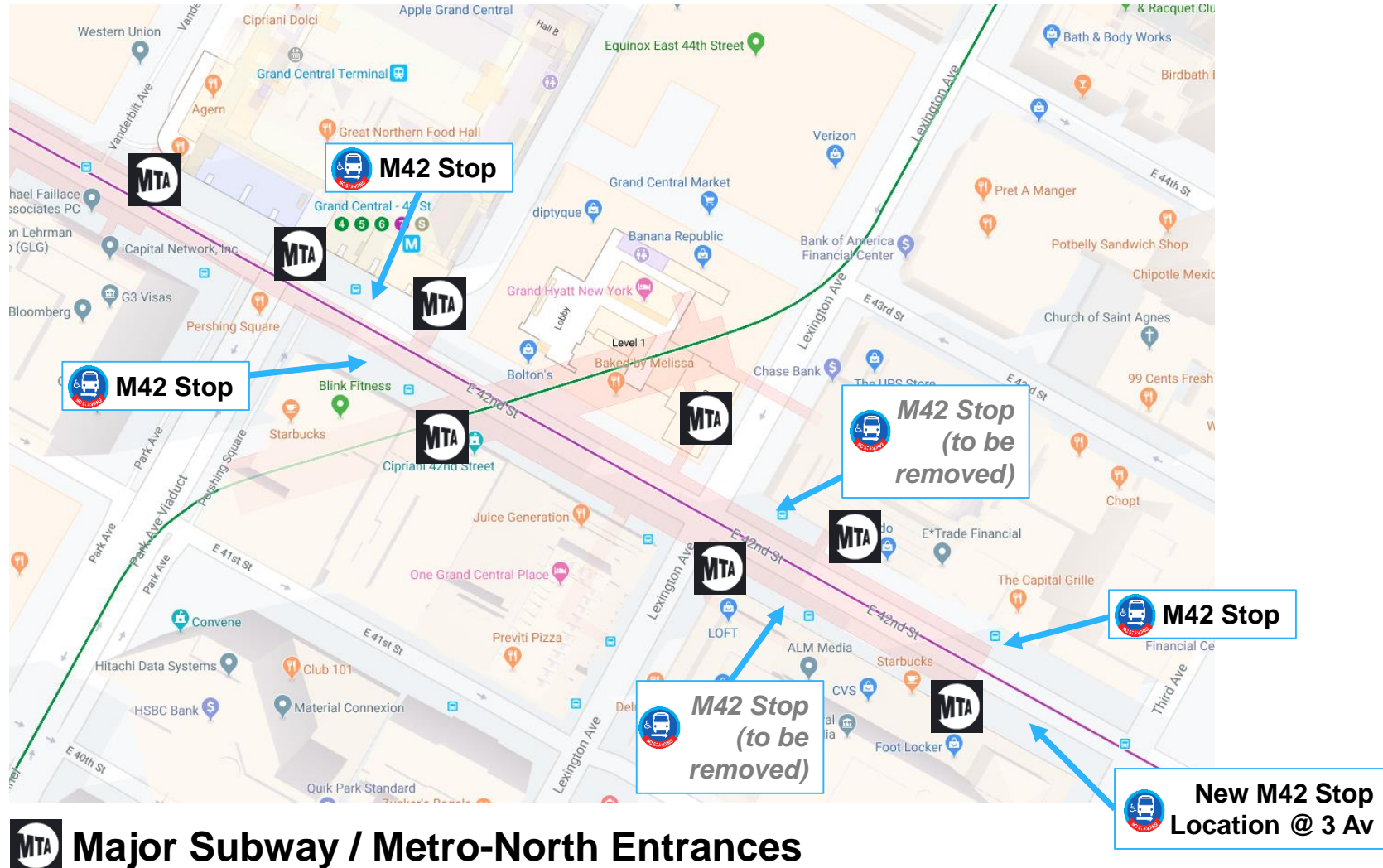


# BUS STOPS – DAILY TRANSFERS



- Daily transfers are infrequent between M42 & M101/102/103 buses
- Most M42 transfers are to subway (529 daily to GCT)

# BUS STOPS – PROPOSED CHANGES



# MODELED TRAFFIC & BUS IMPACTS

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- Better organization of all traffic with right-sized lanes, bus only lanes, turning lanes
- Traffic analysis for the planned changes on 42 St showed:
  - Traffic will operate at current or improved levels of service along 42 St (up to 7% improvement in travel times, up to 9% reduction in delay)
  - Improved bus travel times along 42 St (up to 13% improvement in travel times, up to 27% reduction in delay)
  - Maintained or improved travel times for general traffic on side streets surrounding 42 St

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## Next Steps

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# SUMMER/FALL 2019 PROJECT SCHEDULE

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- **June 2019:** Corridor plan presented to Community Boards 4, 5, & 6
- **July-August 2019:** Plan refinement & updates
- **September 2019:** Presentation update to CB 6
- **September-October 2019:** Project implementation, incl. new markings & signage
- **Fall 2019-Spring 2020:** Post-implementation data collection & monitoring

# THANK YOU!

## Questions?



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