

Central Park Drives Traffic Management

Overview

Spring
2015



Existing Traffic Management

From Labor Day thru Last Day of
NYC Public School:

8-10 AM weekdays (Southbound)

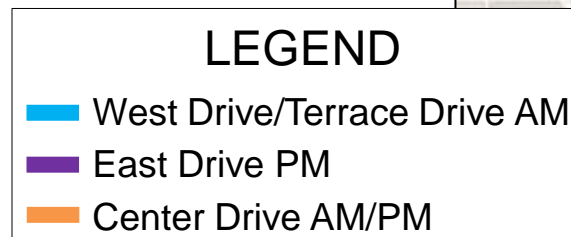
- West Drive (HOV 2+)
- 72nd Street/Terrace Drive
- Center Drive

3-7 PM weekdays (Northbound)

- East Drive, Center Drive

7 AM - 7 PM weekdays (Northbound)

- Center Drive



Existing Traffic Management

From Last Day of NYC Public Schools thru Labor Day (Summer)

Car Free

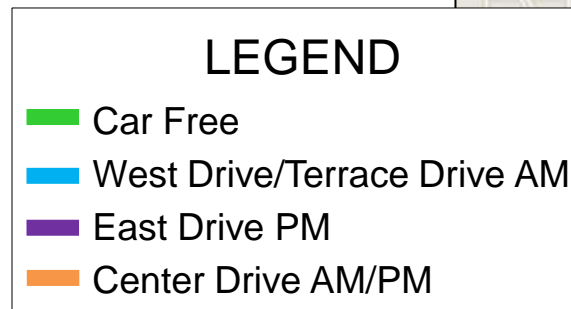
- East and West Drive above 72nd Street

8-10 AM weekdays (Southbound)

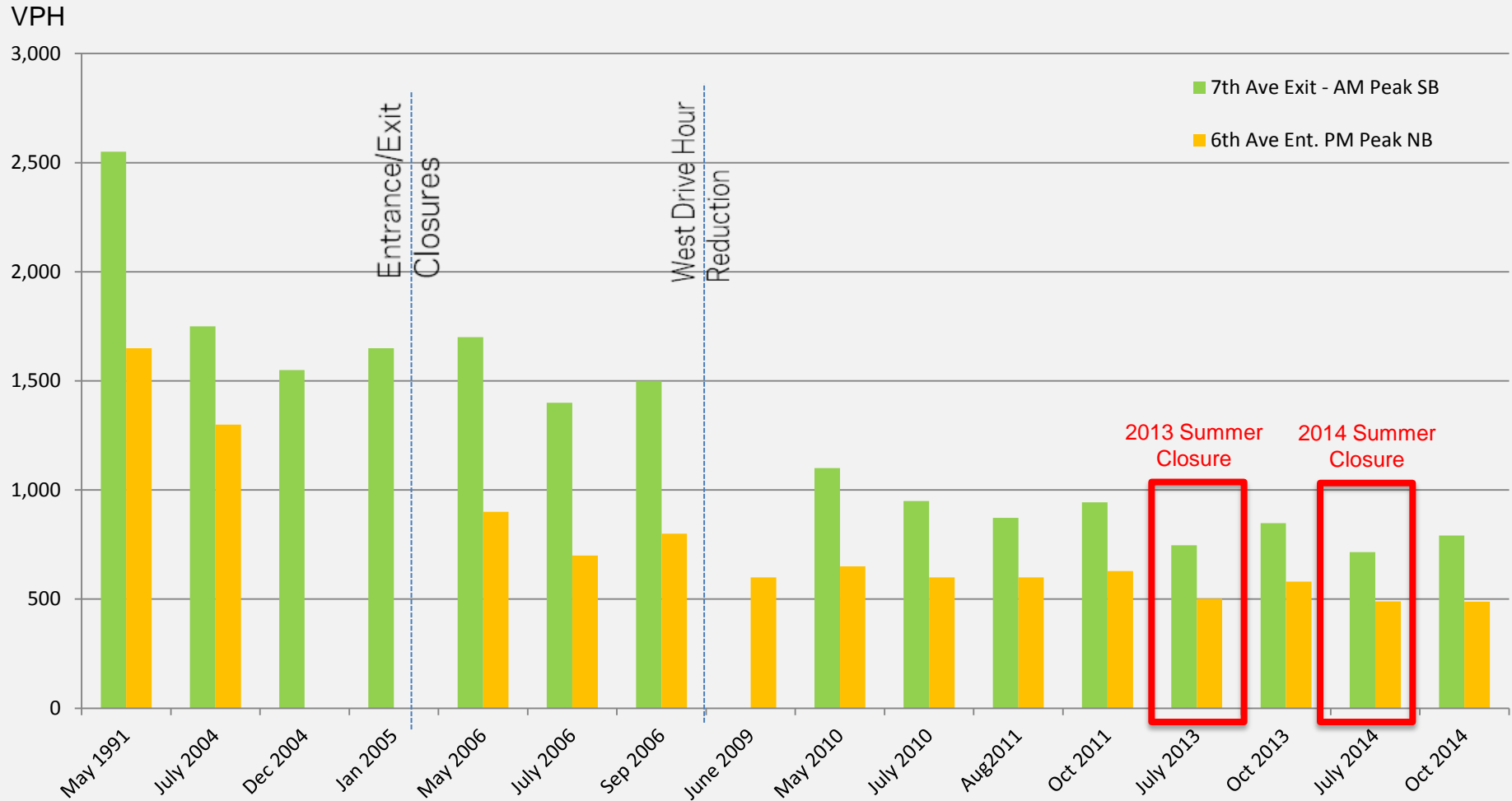
- West Drive (HOV 2+)
- 72nd Street/Terrace Drive
- Center Drive

7 AM - 7 PM weekdays (Northbound)

- Center Drive



Declining Motor Vehicle Traffic Over Time

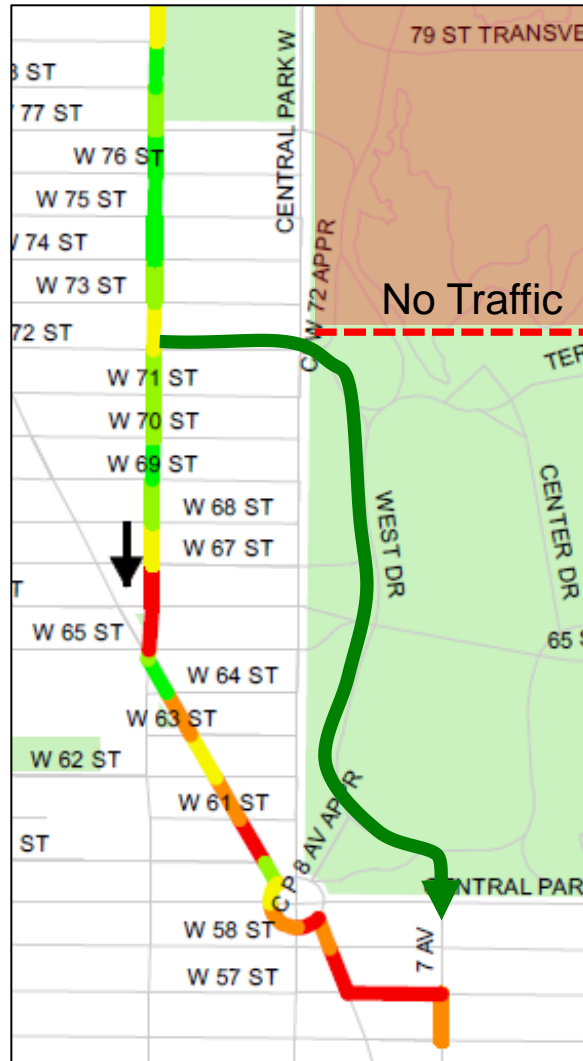


- Declines correlate with entrance/exit closures, off-peak closures, and summer closures

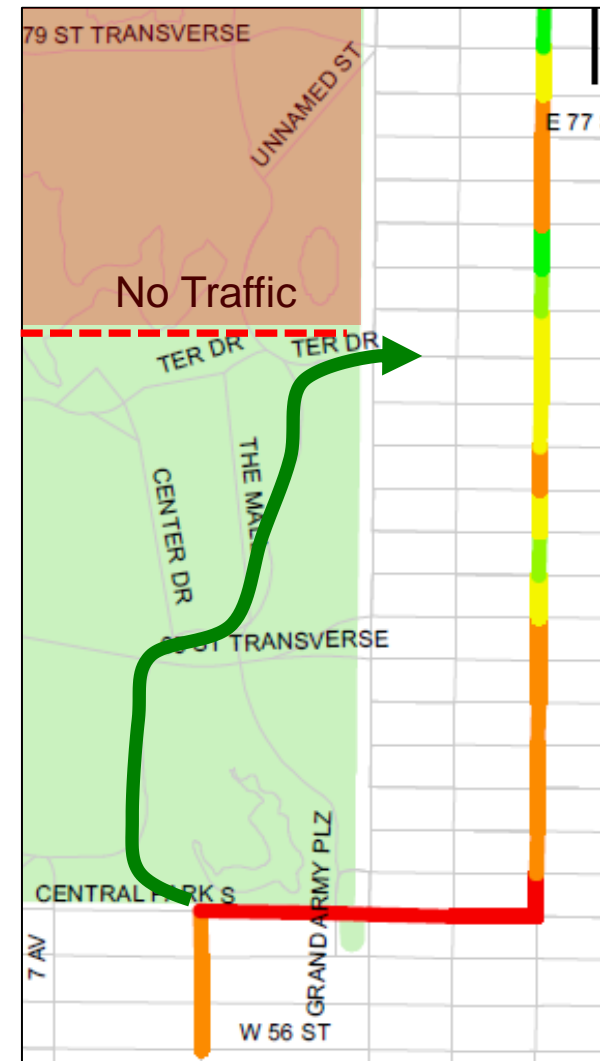
Travel Times on Alternate Routes

- During summer closures, the Park Drives below 72nd St provided critical alternate routes to congested adjacent roadways, where speeds are much slower

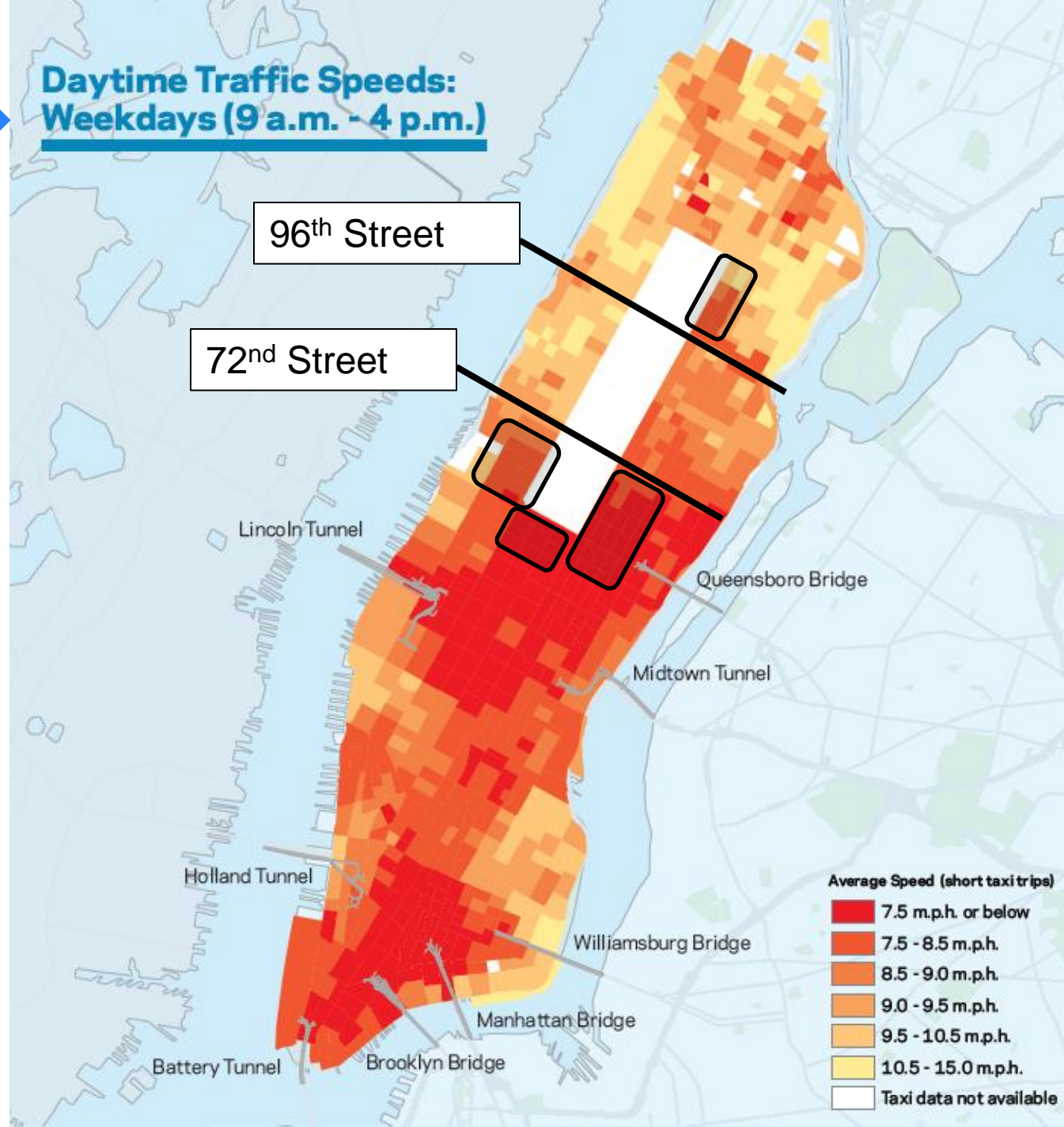
July 2014, Southbound AM
Average Speed (8-10am)



July 2014, Northbound PM
Average Speed (3-7pm)

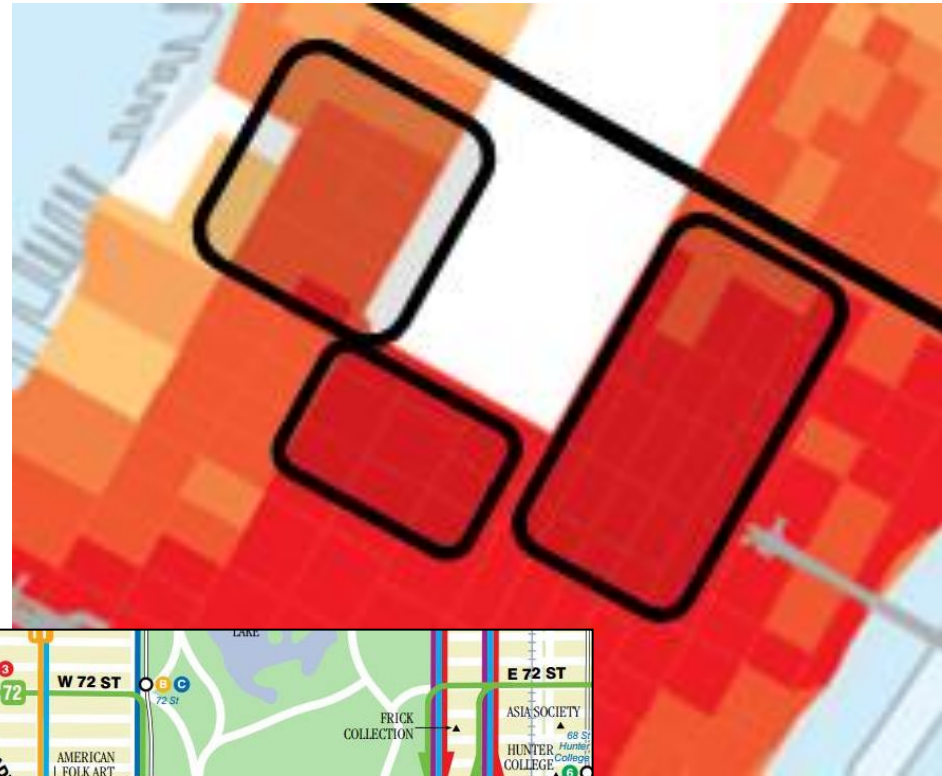


Areas of Concern



Role of Park Drives South of 72nd Street

- Relieves demand on overburdened intersections in high-pedestrian areas
- Prevents excessive delays for transit passengers, taxis, and motorists:
 - Allows important bus routes (M5, M7, M104) to maintain operations without additional delays
 - Routes have combined 51,000 average weekday ridership
 - 109 Buses in Peak Hr
- Eases goods movement in Midtown



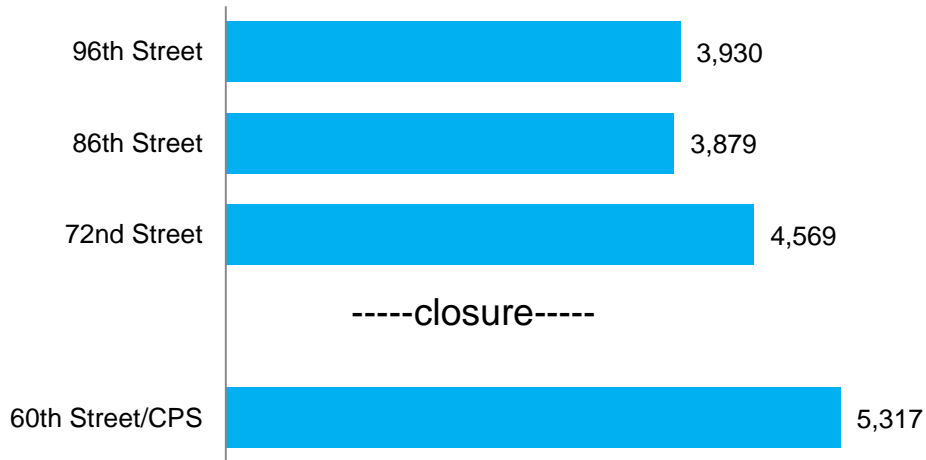
Multiple bus routes impacted by added volume south of 72nd St

Traffic Volume Around the Park

- Traffic volumes increase significantly south of 72nd Street

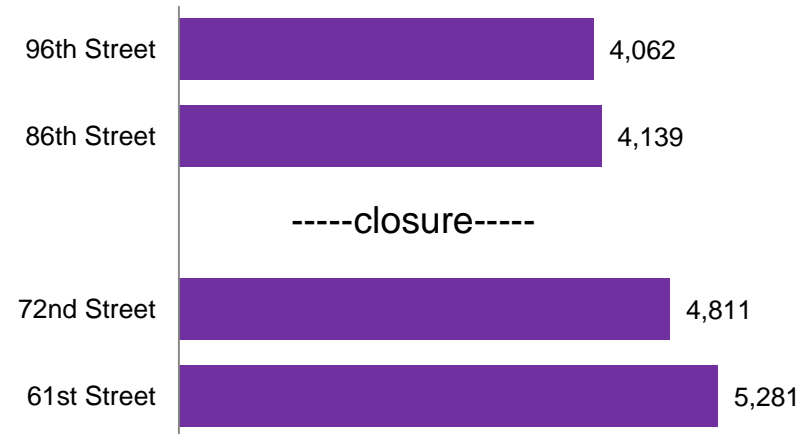
Southbound AM
Avenues & Central Park
July 2014

Average Traffic Volumes 8-10 am



Northbound PM
Avenues & Central Park
July 2014

Average Traffic Volumes 3-7 pm

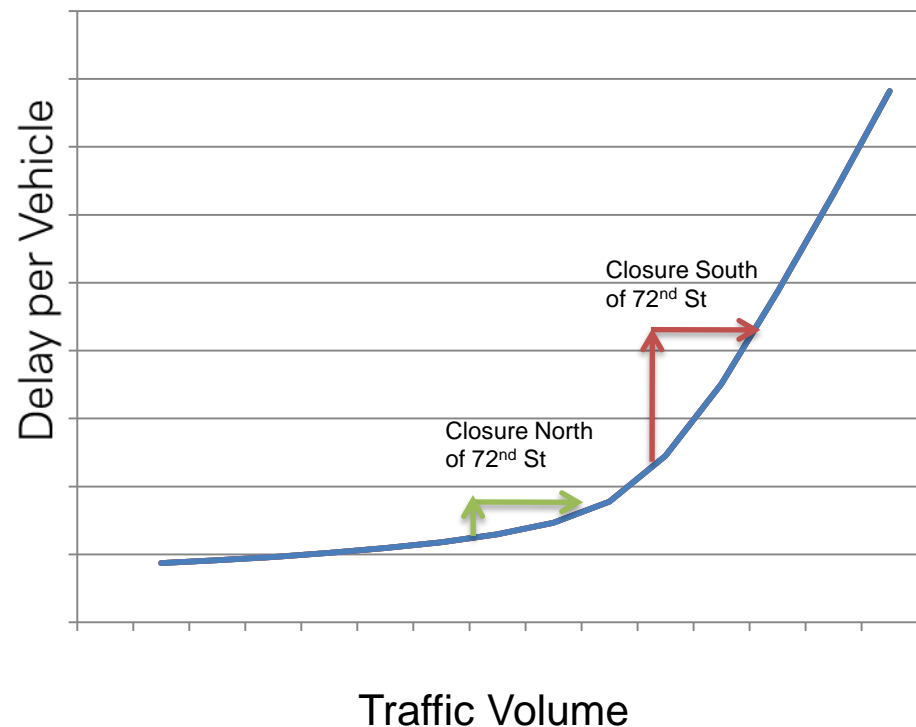


Counts from July 2014. For southbound, total is the sum of the average AM volume (8-10 am) on Broadway, Columbus Ave, Central Park West, the West Drive of Central Park, 5th Ave and Park Ave. For northbound, total is the sum of the AM average PM volume (3-7pm) on Broadway, Amsterdam Ave, Central Park West, the East Drive of Central Park, Madison Ave, and Park Ave.

Incremental Effects on Delay

- Effects of an increase in volume depend on proximity to capacity
- Below capacity, adding volume does not substantially increase delay
- When a roadway nears capacity, additional volume adds longer delays

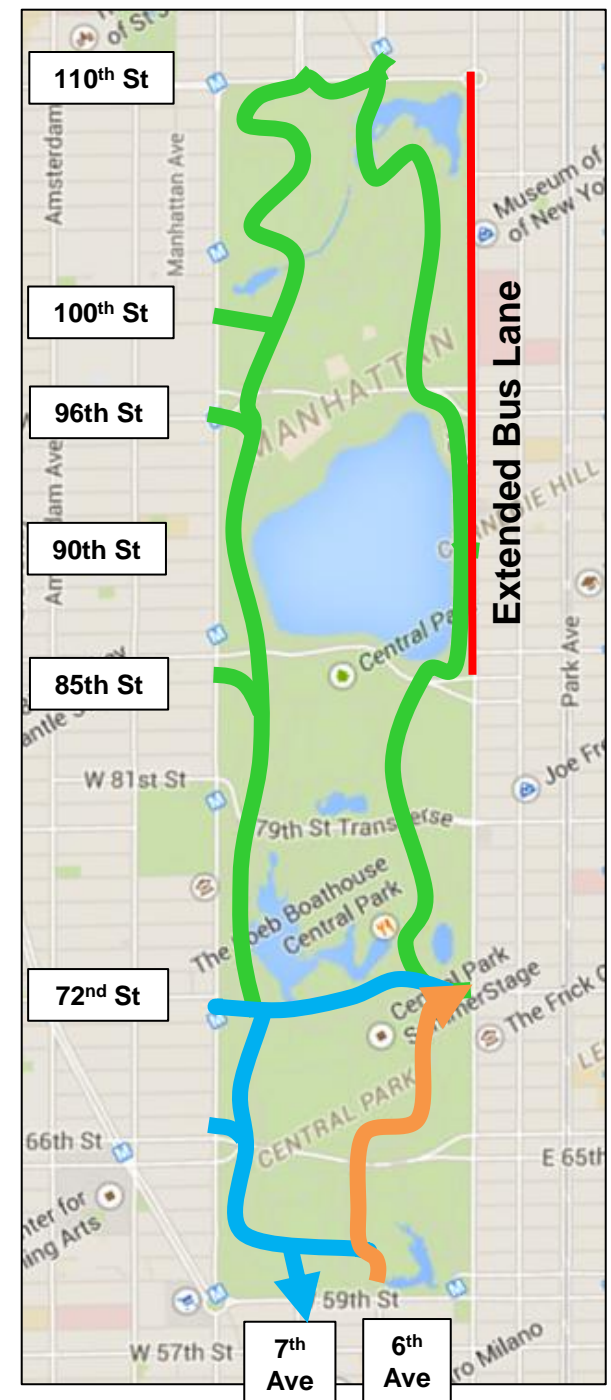
Conceptual Effects of Closures on Delay



Recommendation

Close Central Park Drives permanently north of 72 St

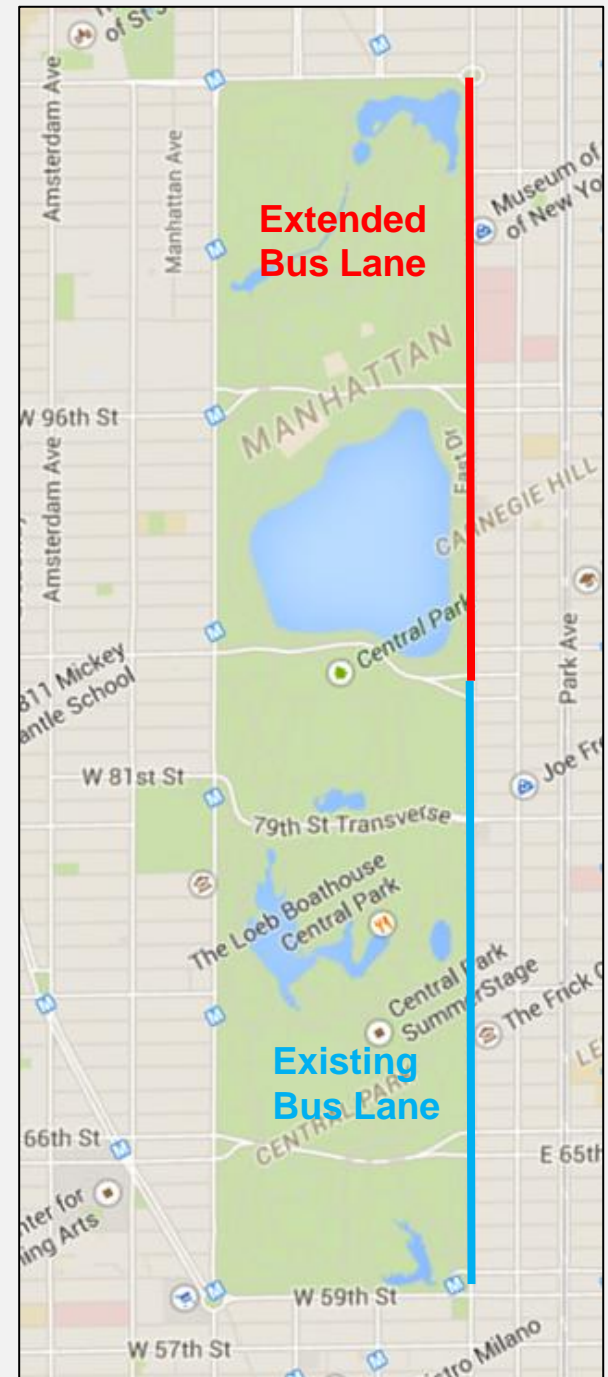
- History of successful summer closures in 2013 and 2014
- 70% of park drives permanently closed to commuter traffic
- Some effect on Park Drive motorists
 - Shortcut lost; Midtown access/egress preserved
- Some effects on street users outside park
 - Diversions to adjacent avenues
 - AM lefts from CPW into park likely to increase
 - AM 5 Ave transit service delays may increase
- Likely no effect on Broadway/Lincoln Center



Recommendation

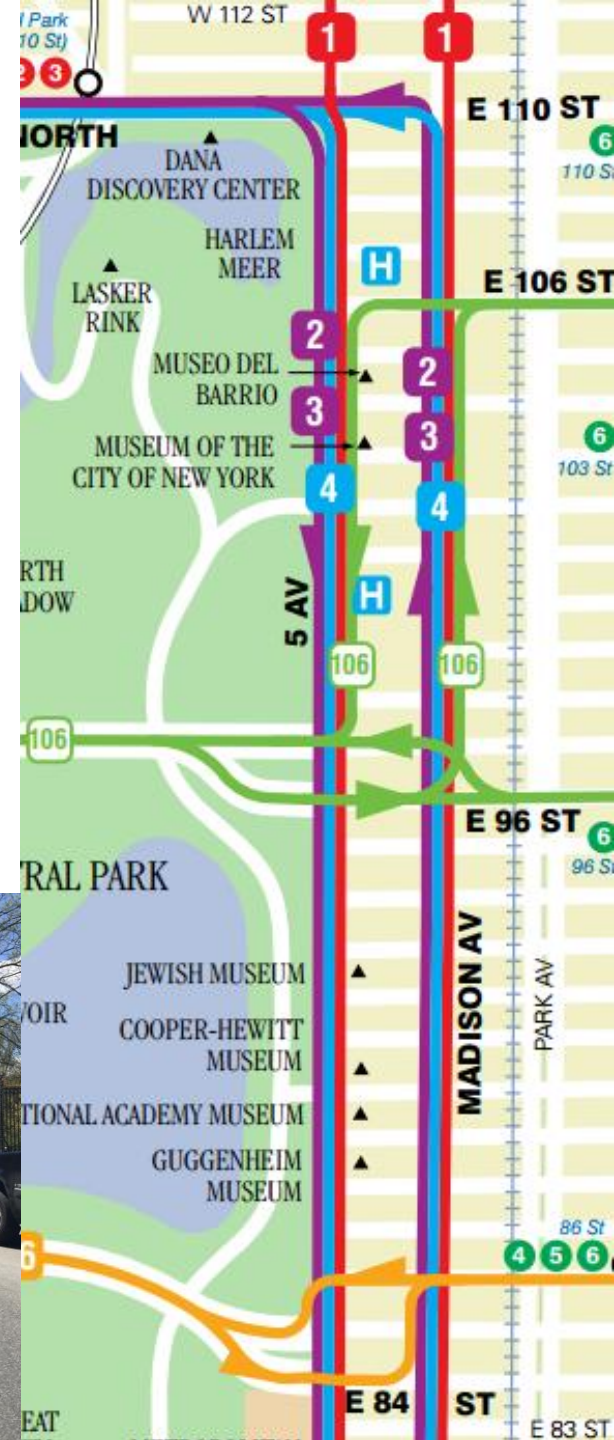
Extend existing 5th Ave bus lane north to 110th St, 7-11 am

- Heavy transit use on 5th Avenue during AM Peak
 - ~ 90 buses in AM peak hour north of 86th S
 - 60,000 local bus riders daily (M1,2,3,4,106)
 - 14,000 express bus riders daily (BXM2,3,4,6,7,8,9,10,11,18)
 - Existing bus lane south of 86th Street
- Proposal would remove ~85 metered & 80 alternate-side parking spaces during AM Peak



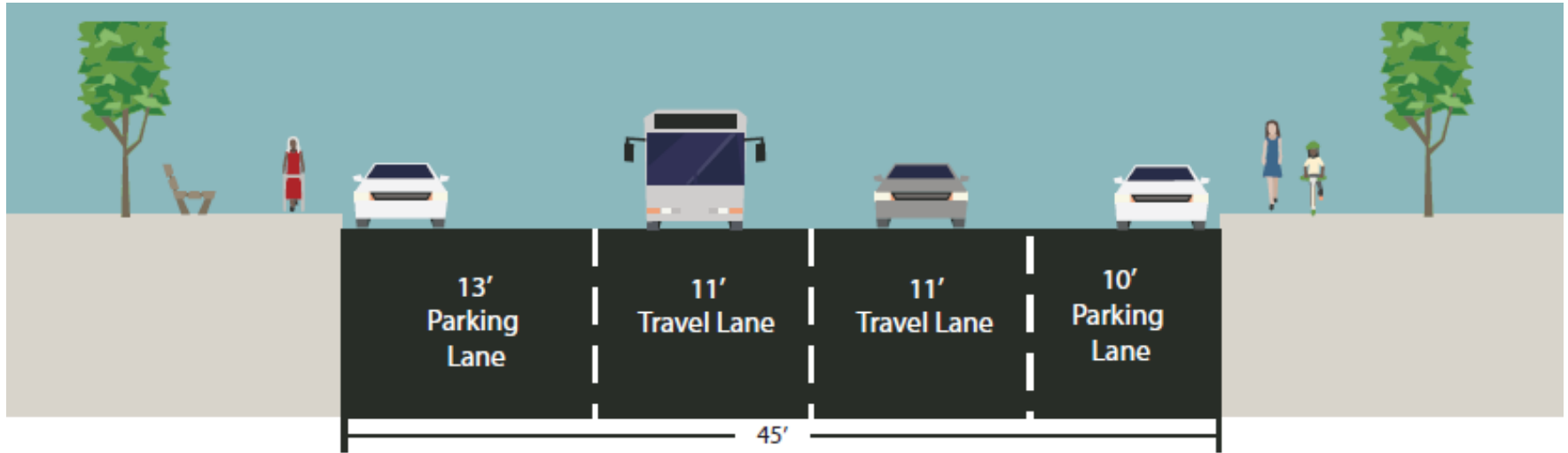
Existing Conditions

- Southbound Avenue, east of Central Park
 - ~750-1000 vph in AM Peak*
- Numerous local and express buses
- Curbside bus lane exists south of E 86th St (Bus Only 7 am to 7 pm)
- Mt. Sinai Hospital, Museum Mile

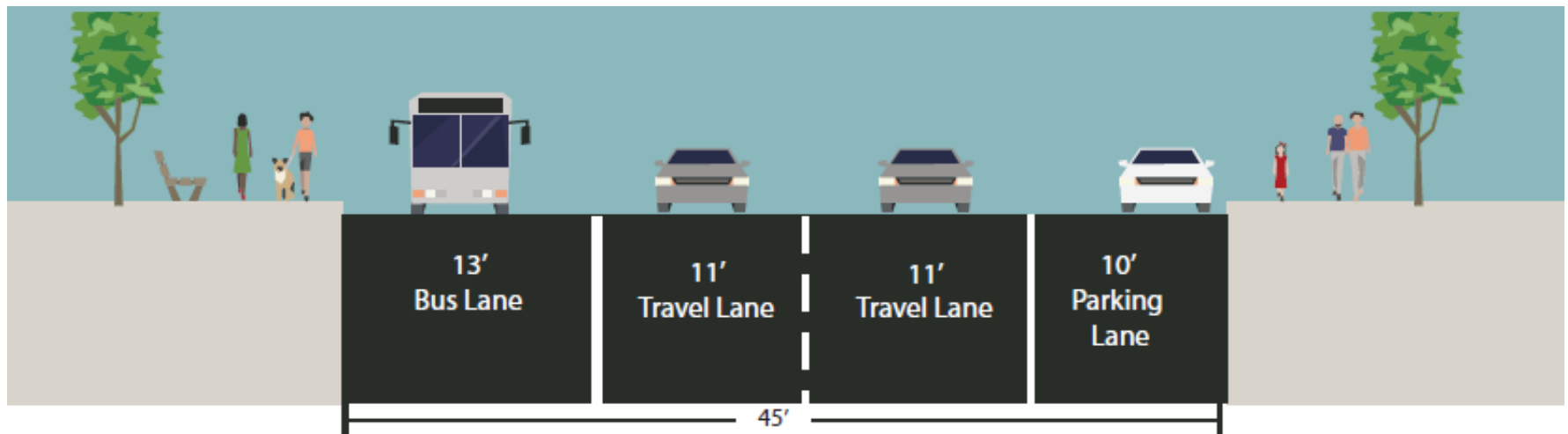


Proposal: 5th Avenue (E 110th St to E 86th St)

EXISTING



PROPOSED: 7-11 am on weekdays



Parking & Curb Management

- Approximately 85 metered and 80 alternate side parking spaces affected during the AM Peak (7-11 am)
 - Majority of spaces are already inaccessible for a portion of that period due to alternate side parking regulations
 - e.g. the west curb of 5th Ave E 106th St and E 107th St is currently signed as 'No Parking 8:30-9 am, Except Sunday'
 - There are currently bus stops approximately every other block, where parking is currently restricted
- Parking is allowed at all other times



Bus stop locations on 5th Ave, where no parking is allowed on west curb



Parking & Curb Management



Parking & Curb Management

**2 hr Muni Meter (9am-7pm)
No Parking 8:30-9am
except Sun**

Bus Stop

**2 hr Muni Meter (9am-7pm)
No Parking 8:30-9am
except Sun**

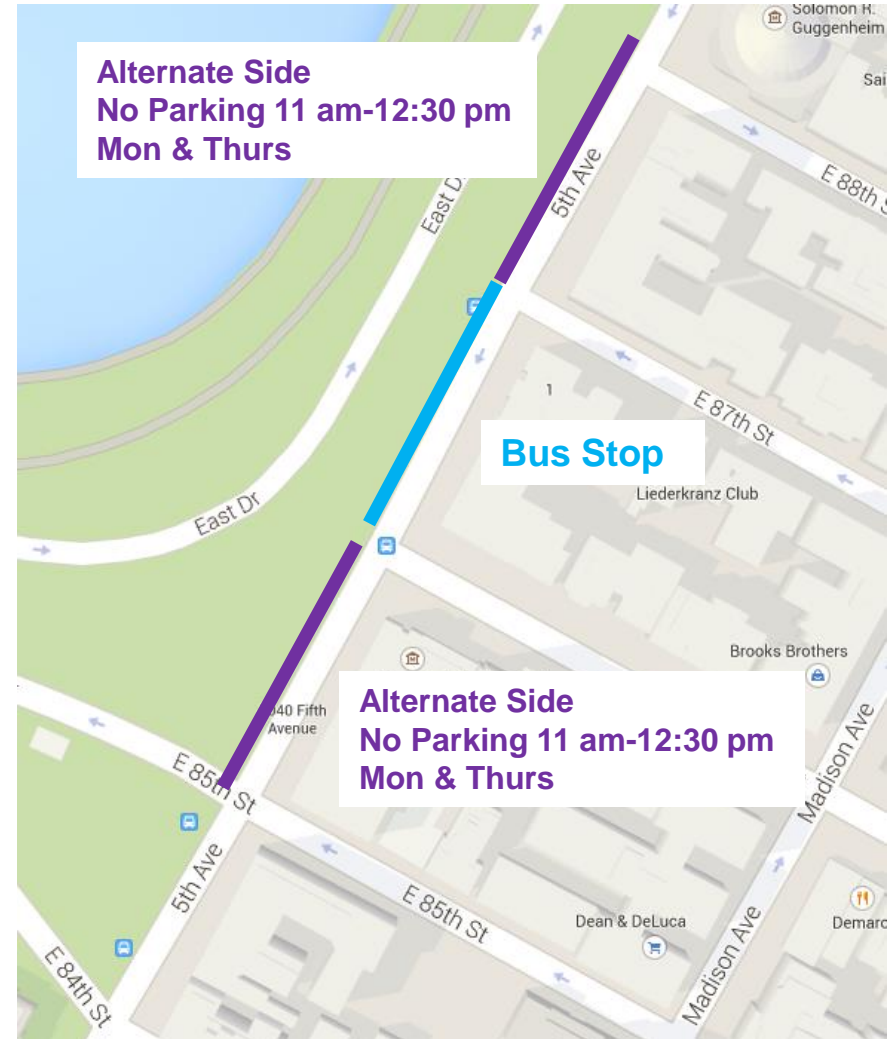
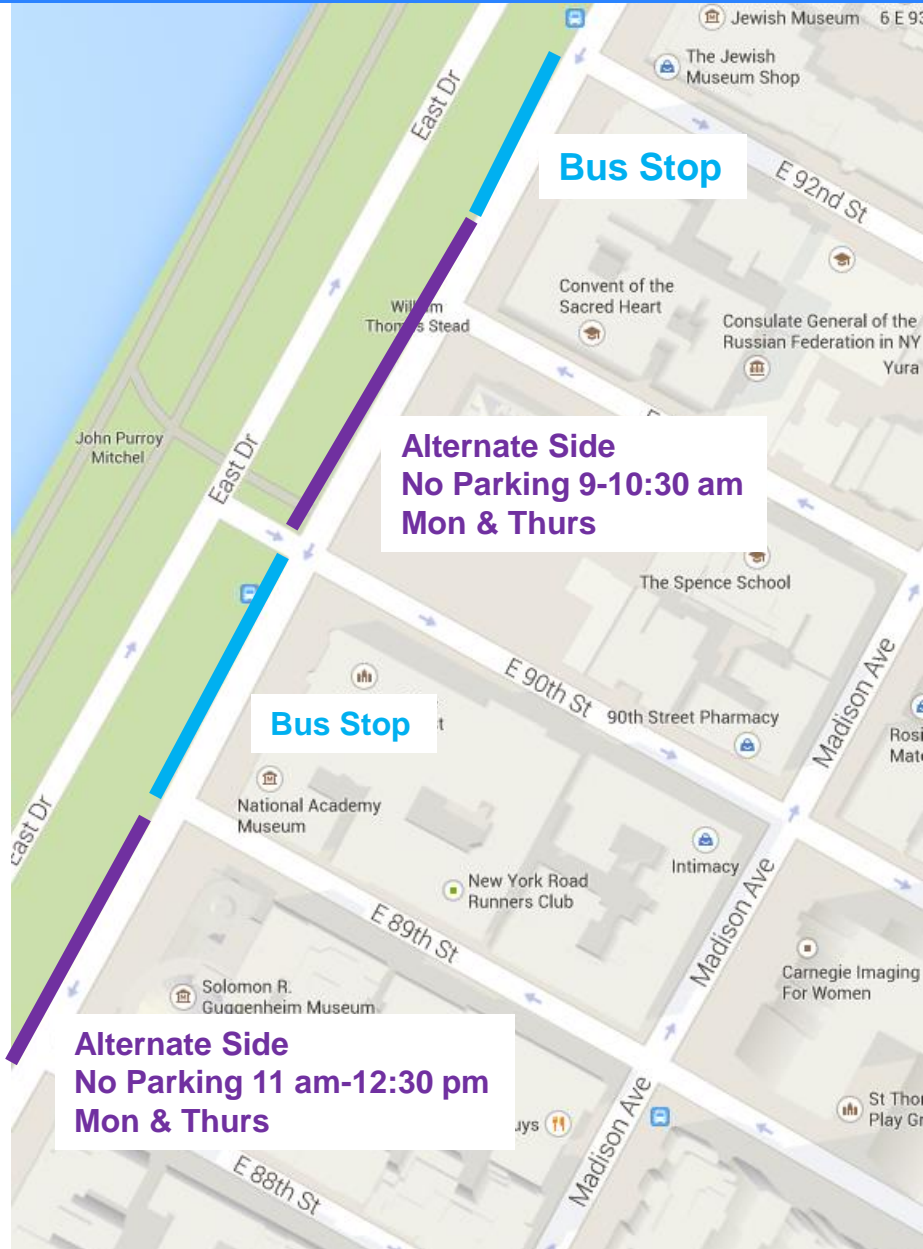
Bus Stop

**Alternate Side
No Parking 9-10:30 am
Mon & Thurs**

Bus Stop

**Alternate Side
No Parking 9-10:30 am
Mon & Thurs**

Parking & Curb Management



Parking & Curb Management on 5th Avenue

Street Segment	Existing Curbside Regulations	Hours of Parking Loss with curbside bus lane 7-11am
E. 109 St to E. 110 St	<i>Bus Stop, no parking anytime</i>	none
E. 108 St to E. 109 St	<i>No Parking Mon & Thurs 8:30 am- 10am</i>	2hr 30min Mon & Thurs 4hr Tues, Wed & Fri
E. 107 St to E. 108 St	<i>Bus Stop, no parking anytime</i>	none
E. 106 St to E. 107 St	<i>2 hr Muni Meter (9am-7pm) No Parking 8:30 am- 9 am except Sun</i>	3hr 30min Mon, Tues, Wed, Thurs & Fri
E. 105 St to E. 106 St	<i>Bus Stop, no parking anytime</i>	none
E. 104 St to E. 105 St	<i>2 hr Muni Meter (9am-7pm) No Parking 8:30 am- 9 am except Sun</i>	3hr 30min Mon, Tues, Wed, Thurs & Fri
E. 103 St to E. 104 St	North side of block: <i>Bus Stop, no parking anytime</i>	none
	South side of block: <i>2 hr Muni Meter (9am-7pm) No Parking 8:30 am- 9 am except Sun</i>	3hr 30min Mon, Tues, Wed, Thurs & Fri
E. 102 St to E. 103 St	<i>2 hr Muni Meter (9am-7pm) No Parking 8:30 am- 9 am except Sun</i>	3hr 30min Mon, Tues, Wed, Thurs & Fri
E. 101 St to E. 102 St	<i>Bus Stop, no parking anytime</i>	none
E. 98 St to E. 101st	<i>2 hr Muni Meter (9am-7pm) No Parking 8:30 am- 9 am except Sun</i>	3hr 30min Mon, Tues, Wed, Thurs & Fri
E. 97 St to E. 98 St	<i>Bus Stop, no parking anytime</i>	none
E. 96 St to E. 97 St	<i>2 hr Muni Meter (9am-7pm) No Parking 8:30 am- 9 am except Sun</i>	3hr 30min Mon, Tues, Wed, Thurs & Fri

Street Segment	Existing Curbside Regulations	Hours of Parking Loss with Curbside Bus Lane 7-11am
E. 95 St to E. 96 St	North side of block: <i>Bus Stop, no parking anytime</i>	none
	South side of block: <i>Alternate Side No Parking 9 am- 10:30 am Mon & Thurs</i>	2hr 30min Mon & Thurs 4hr Tues, Wed & Fri
E. 94 St to E. 95 St	<i>Alternate Side No Parking 9 am- 10:30 am Mon & Thurs</i>	2hr 30min Mon & Thurs 4hr Tues, Wed & Fri
E. 93 St to E. 94 St	<i>Bus Stop</i>	none
E. 92 St to E. 93 St	<i>Alternate Side No Parking 9 am- 10:30 am Mon & Thurs</i>	2hr 30min Mon & Thurs 4hr Tues, Wed & Fri
E. 91 St to E. 92 St	North side of block: <i>Bus Stop, no parking anytime</i>	none
	South side of block: <i>Alternate Side No Parking 9 am- 10:30 am Mon & Thurs</i>	2hr 30min Mon & Thurs 4hr Tues, Wed & Fri
E. 90 St to E. 91 St	<i>Alternate Side No Parking 9 am- 10:30 am Mon & Thurs</i>	2hr 30min Mon & Thurs 4hr Tues, Wed & Fri
E. 89 St to E. 90 St	<i>Bus Stop, no parking anytime</i>	none
E. 88 St to E. 89 St	<i>Alternate Side No Parking 11 am- 12:30 pm Mon & Thurs</i>	4hr Mon, Tues, Wed, Thur & Fri
E. 87 St to E. 88 St	<i>Alternate Side No Parking 11 am- 12:30 pm Mon & Thurs</i>	4hr Mon, Tues, Wed, Thur & Fri
E. 86 St to E. 87 St	<i>Bus Stop, no parking anytime</i>	none

* Hours of proposed bus only lane are 7-11 am on weekday. No parking loss will occur on weekends

Benefits of Proposal

- Dedicated bus lane allows for improved travel times for transit riders and motorists during AM Peak
 - With dedicated lane, buses will no longer need to weave in and out of traffic
 - Traffic flow will be optimized
- Minimal impact on parking
- Improved markings increase visibility of pedestrians and discourage speeding



Existing: 5th Avenue at 105th St, looking South



Proposed Configuration (7-11am): 5th Ave at E 75th St



Questions?



Thank
You