



Accessible Pedestrian Signals
Program Status Report
December 2017

Program Overview

The New York City Department of Transportation (NYC DOT) installs Accessible Pedestrian Signals (APSs) to assist pedestrians who are blind or have low vision in crossing the street. These devices provide information in non-visual formats, such as audible tones, speech messages, and vibrating surfaces, to alert vision-impaired pedestrians when the “walk” phase is available at a given intersection.

As of December 31, 2017, there are APS units installed at 288 intersections citywide. A list of these locations is included in this report and is available on NYC DOT’s website at www.nyc.gov/dot.

As was required by NYC Administrative Code Section 19-188 of 2012, NYC DOT was installing APS units at each corner of 25 additional intersections each year. Starting January 1, 2016, the new Local Law is requiring NYCDOT to install APS units at each corner of 75 additional intersections each year. The agency works closely with the Mayor’s Office for People with Disabilities (MOPD) and the visually impaired community, such as the group Pedestrians for Accessible and Safe Streets (PASS), to identify intersections which present a crossing difficulty for persons with visual impairments, such as intersections with Leading Pedestrian Intervals (LPI), delayed turns (split LPI) and Exclusive Pedestrian Phases (EPP) such as Barnes Dance and mid-block locations. NYC DOT is also guided by the Americans with Disabilities Act Accessibility Guidelines (ADAAG) to consider APS units for new traffic signal installations and alterations, and considers locations that are recommended by constituents and elected officials.

NYC DOT establishes a ranked priority list of intersections for the installation of APSs based on established criteria, including but not limited to off-peak traffic presence, current traffic-signal patterns and the complexity of the intersection’s geometry, including crossing distance. These criteria are set forth by the National Cooperative Highway Research Program (NCHRP) and the most recent version of the federal Manual on Uniform Traffic Control Devices (MUTCD). Final scores are based on the individual crosswalk and intersection scores for each location, and ultimately determine priority for installation. This report includes the list of the one hundred (100) top-ranked intersections as of December 31, 2017.

Cost and Funding Sources

The cost per intersection averages approximately \$45,665. For the 75 intersections where APS were installed over the past year, the total cost was approximately \$3,424,875.

The baseline estimated cost to furnish and install an APS unit on an existing pole is approximately \$1,100. A typical quadrant intersection would require eight units, meaning that the estimated cost per intersection is at least \$8,800. In many instances, an intersection may require additional work that increases the cost of the installation. For example, most intersections do not have pedestrian signal poles at the location required for APS installation (i.e., adjacent to a pedestrian ramp) requiring the construction of new poles at additional cost. Other factors, such as utilities located underneath the intersection, fire alarm posts to be

relocated, protected street segments or intersections that have been resurfaced or reconstructed within the last five years, and distinctive sidewalk material may add to the total cost of installation. Overall, the costs for each intersection varies depending on the number of additional poles needed, geometry and complexity of the intersection.

Funding for the installation of APS devices comes from NYC DOT's contracts to furnish and install APS in the City of New York, which are City funded.

Recommendations for Improvements and Availability of New Technology

NYC DOT is continuously researching new technologies and instituting updates to enhance the APS program. The agency in recent years replaced the last remaining older types of APSs, which provided "birdcalls" from overhead speakers mounted on the pedestrian signal to alert visually impaired pedestrians when it is safe to cross. These older devices were louder, emitted a noise with every walk display regardless of pedestrian demand, and used a different bird call for each crossing, which confused the user. In addition, the older devices did not provide crossing information as new types of APS units do.

The new type of APS unit used by NYC DOT was tested and approved for use in New York City in 2011, and features a distinct rapid ticking tone that can be adjusted based on the needs of a specific intersection. They also feature a raised vibrating tactile arrow at the pedestrian pushbutton location, which a user can find by a locator tone. These units are installed in close proximity to each pedestrian crossing ramp so that there is no confusion which APS unit is for which crossing. Upon pushing the button, the arrow will vibrate and there will be a rapid percussive tone or audible message when the "walk" signal is displayed.

NYC DOT is constantly evaluating new technologies for use in the APS program. We currently have a contract with the University Transportation Research Center (UTRC). This multi-year UTRC contract provides NYCDOT ongoing research and development programs pertaining to urban Intelligent Transportation Systems (ITS) deployment. One of the tasks under this contract is to research "**Pedestrians and Cyclists Safety Using ITS Technologies in NYC**". The purpose of this task is to gather knowledge about all new and innovative technologies and methodologies and determine the most useful countermeasures that could be used in NYC to reduce pedestrian/cyclist injuries, conflicts, crashes and fatalities to meet the goals of the Mayor's "Vision Zero" Action Plan.

One feature currently being investigated under this initiative is to increase the functionality of the current APS units by the visually impaired community through the use of tactile maps affixed to the existing units. Using various textures and symbols, the maps would provide the user with valuable information before crossing the street, including their orientation at the intersection, how many lanes of traffic they will be crossing and identify all obstacles within the crosswalk (i.e., medians, bike lanes, etc.). NYCDOT is planning to work with visually impaired focus groups to test and provide feedback on the effectiveness of these maps.

Alternative technologies, such as smartphone-based applications associated with APS units will also be investigated. Research will be conducted to determine the latest and most innovative technologies currently being implemented nationally and internationally and under what conditions these new technologies are most beneficial for New York City.

The final outcome of this task will be a report providing a method to objectively look at each potential measure and come up with a recommendation to decide under what conditions each countermeasure should be used. NYC DOT will continue to evaluate the potential uses of new technologies on the market to assist blind and low vision individuals in navigating the city's roadways.

Some recommendations for enhancing NYC DOT's APS program include, but are not limited to:

- Continued evaluation of the structure of the APS program for possible improvements to staffing and funding levels and sources.
- Further research of new technologies to enhance the APS program.
- Continued dialogue with blind and low vision advocacy groups.
- Participation in any future USDOT Vehicle-to-Infrastructure testing opportunities that will offer positioning and computing capabilities to a traveler and the ability to interact with infrastructure, utilizing systems that communicate with roadside equipment using many tools, including dedicated short range communications (DSRC), 3G, 4G, Wi-Fi and Bluetooth.

Accessible Pedestrian Signals Locations in New York City

As of December 31, 2017

Location	Borough
14th Avenue and 36th Street (New York Industries for the Blind)	Brooklyn
3rd Avenue and 33rd Street	
4th Avenue and 36th Street	
4th Avenue and 39th Street	
4th Avenue and 44th Street	
4th Avenue and 45th Street	
4th Avenue and 54th Street	
4th Avenue and 55th Street	
4th Avenue and 59th Street	
4th Avenue and 60th Street	
4th Avenue and 9th Street	
4th Avenue and Union Street	
5th Avenue and 89th Street	
86th Street and Bay 22nd Street	
86th Street between 4th Avenue and 5th Avenue	
Adams Street between Fulton Street and Johnson Street (mid-block)	
Adams Street/Boerum Place and Fulton Street	
Adams Street/Boerum Place and Livingston Street	
Atlantic Avenue and Boerum Place	
Atlantic Avenue and Bond Street	
Atlantic Avenue and Hoyt Street	
Atlantic Avenue and Nevins Street	
Atlantic Avenue and Smith Street	
Avenue J and East 27th Street	
Avenue U and Ocean Avenue	
Avenue Y and East 26th Street	
Avenue Z and East 6th Street	
Bedford Avenue and Lafayette Avenue	
Bedford Avenue between Avenue I and Campus Road (mid-block)	
Boerum Place and Schermerhorn Street	
Boerum Place and State Street	
Cadman Plaza West and Montague Street	
Church Avenue and Dahill Avenue (New York Industries for the Blind)	
Church Avenue and McDonald Avenue (New York Industries for the Blind)	
Court Street and Atlantic Avenue	
Court Street and Livingston Street	
Court Street and Schermerhorn Street	

Court Street and State Street	Brooklyn
Court Street with Remsen and Joralemon Street	
Cropsey Avenue and Bay 32nd Street	
Cropsey Avenue and Bay 35th / 24th Avenue	
Cropsey Avenue and Bay 49th Street	
DeKalb Avenue and Hudson Avenue	
Dekalb Avenue and S Portland Avenue	
Ditmas Avenue and East 5th Street	
East New York Avenue at Dean Street and Sackman Street	
Flatbush Avenue and Dekalb Avenue	
Flatbush Avenue and Glenwood Road (west leg)	
Flatbush Avenue and Lafayette Avenue	
Flatbush Avenue and Willoughby Street	
Flatbush Avenue at Fulton Street and Nevins Street	
Flatbush Avenue with Brooklyn Avenue and Avenue J	
Flatbush Avenue with Glenwood Road and East 29th Street (east leg)	
Flatbush Avenue with Nostrand Avenue and Hillel Place	
Flatlands Avenue and East 107th Street	
Flushing Avenue and Bogart Street	
Flushing Avenue and Skillman Street	
Flushing Avenue and Warsoff Place	
Franklin Avenue and Lafayette Avenue	
Fulton Street and Crescent Street	
Fulton Street with Lafayette Avenue and Fort Greene Place	
Graham Avenue and Maujer Street (500' South)	
Hanson Place and St. Felix Street	
Hillel Place and Campus Road (North Side)	
Jay Street and Metrotech Roadway (North Leg)	
Jay Street and Metrotech Roadway (South Leg)	
Jay Street and Willoughby Street	
Jay Street/Smith Street and Fulton Street	
Lenox Road and East 42nd Street	
Livingston Street and Bond Street	
Livingston Street and Hoyt Street	
Livingston Street at Nevins Street	
McDonald Avenue and Ditmas Avenue	
Nevins Street and State Street	
New Utrecht Avenue and 62nd Street	
Nostrand Avenue and Erasmus Street	
Nostrand Avenue and Glenwood Road	
Pennsylvania Avenue and Freeport Loop (North Leg)	

Rochester Avenue and Dean Street	Brooklyn
Rockaway Pkwy at Brookdale Hospital entrance (w of Linden Blvd)	
Rutland Road with East 52nd Street and Remsen Avenue	
Schermerhorn Street and Nevins Street	
Smith Street and Livingston Street	
Voorhies Avenue and East 18th Street	
10th Avenue and West 55th Street	Manhattan
12th Avenue and West 23rd Street	
1st Avenue and East 17th Street	
1st Avenue and East 122nd Street	
1st Avenue and East 19th Street	
1st Avenue and East 22nd Street	
1st Avenue and East 21st Street	
1st Avenue between E 30th Street and E 33rd Street	
2nd Avenue and East 98th Street	
2nd Avenue and Pedestrian Crossing (East 107th Street)	
2nd Avenue and Pedestrian Crossing (East 114th Street)	
2nd Avenue and Stuyvesant Square (East 16th Street)	
3rd Avenue and East 59th Street (Lighthouse)	
3rd Avenue and East 72nd Street	
3rd Avenue and Pedestrian Crossing at East 113th Street	
3rd Avenue and Pedestrian Crossing at East 114th Street	
5th Avenue and 125th Street	
5th Avenue and 58th Street and Grand Army Plaza	
5th Avenue and East 23rd Street	
5th Avenue at Pedestrian Crossing (West/East 113th Street)	
5th Avenue with East 124th and West 124th Streets	
7th Avenue and West 23rd Street	
7th Avenue and West 32nd Street	
7th Avenue and West 47th Street	
8th Avenue and West 130th Street	
8th Avenue and West 55th Street	
8th Avenue between West 31st and West 32nd Streets	
9th Avenue and West 27th Street	
Amsterdam Avenue and Pedestrian crossing (West 62nd Street)	
Amsterdam Avenue and West 113th Street	
Amsterdam Avenue and West 114th Street	
Amsterdam Avenue at Pedestrian Crossing (West 117th Street)	
Amsterdam Avenue pedestrian crossing (btwn West 123rd and La Salle Sts)	
Avenue D and East 11th Street	
Avenue D and East 3rd Street	

Avenue of Americas and 23rd Street (Selis Manor)	Manhattan
Avenue Of The Americas with Dominick Street and Clark Street	
Battery Place and Washington Street	
Beekman Street and Nassau Street	
Beekman Street and Williams Street	
Broadway & 7th Avenue with West 43rd Street	
Broadway & 7th Avenue with West 44th Street	
Broadway & 7th Avenue with West 45th Street	
Broadway & 7th Avenue with West 46th Street	
Broadway and Bowling Green	
Broadway and West 65th Street	
Broadway and East 96th Street	
Broadway and West 175th Street	
Broadway and West 23rd Street	
Broadway and West 64th Street	
Broadway and West 66th Street	
Broadway with Dyckman Street and Riverside Drive	
Broadway with West 218th Street and 10th Avenue	
Central Park West and Pedestrian Crossing (West 79th Street)	
Central Park West and West 65th Street (North/East/West Legs-Phase II)	
Central Park West and West 65th Street (South Leg-Phase I)	
Centre Street and Brooklyn Bridge Exit	
Centre Street and Franklin Walk	
Cherry Street and Rutgers Street	
Clinton Street between East Broadway and Grand Street	
Columbus Avenue and West 64th Street	
Columbus Avenue and West 65th Street	
Columbus Avenue and West 66th Street	
Columbus Avenue and West 98th Street Pedestrian Crossing	
Columbus Avenue and West 99th Street Pedestrian Crossing	
East 37th Street and FDR Drive	
East Broadway between Catherine Street and Market Street	
East End Avenue and East 85th Street	
Edgecombe Avenue and West 164th Street	
Fifth Avenue and West 99th Street (pedestrian crossing)	
Fifth Avenue pedestrian crossing (btwn East 132nd and East 135th Streets)	
Frederick Douglass Boulevard (8th Avenue) and West 125th Street	
Frederick Douglass Boulevard and West 156th Street	
Gold Street and Beekman Street	
Gold Street and Fulton Street	
Gold Street and Spruce Street	

Grand Street and Ridge Street	Manhattan
Greenwich Street and Barclay Street	
Lafayette Street and Pedestrian crossing (Pearl Street)	
Lexington Avenue and East 25th Street	
Lexington Avenue and East 52nd Street	
Lexington Avenue and East 59th Street (Lighthouse)	
Madison Avenue and East 133rd Street	
Madison Avenue and East 134th Street	
Madison Street and 300' west of Jackson Street	
Madison Street and Jefferson Street	
Maiden Lane at Front Street	
Malcolm X Boulevard (Lenox Avenue) and West 145th Street	
Murray Street and 270' West of West Street	
Park Avenue and East 59th Street (Lighthouse)	
Riverside Drive and West 94th Street	
Riverside Drive and West 138th Street	
Riverside Drive and West 151st Street	
Riverside Drive and West 163rd Street	
St James Place and James Street	
St Nicholas Avenue and West 125th Street	
St Nicholas Avenue and West 156th Street	
St. Nicholas Avenue and Pedestrian Crossing between 130th and 133rd Streets	
Stone Street and Broad Street	
Stone Street and Whitehall Street	
Vesey Street between North End Avenue and West Street	
Washington Square South and Thompson Street	
Water Street and Fulton Street	
West 125th Street at 400' east of Frederick Douglass Boulevard	
West 125th Street at 400' west of Lenox Avenue	
West 125th Street at 450' west of 5th Avenue	
West 155th Street with Edgecomb Avenue and HRD / St Nicholas Place	
West 23rd Street between 5th Avenue and 6th Avenue (Mid-block)	
West 34th Street between 7th and 8th Avenues	
West 34th Street between 8th Avenue and 9th Avenue (mid-block)	
West 34th Street between Broadway, 6th and 7th Avenues	
West 42nd Street between 5th Avenue and 6th Avenue	
West 42nd Street between 7th Avenue and 8th Avenue	
West 42nd Street between 8th Avenue and 9th Avenue	
West 53rd Street between 5th and 6th Avenues	
West 57th Street between 5th Avenue and 6th Avenue	
West 57th Street between 6th Avenue and 7th Avenue (Mid-block)	

West 57th Street between 8th Avenue and 9th Avenue (Mid-block)	Manhattan
West End Avenue and Pedestrian Crossing (north of West 67th Street)	
West End Avenue and Pedestrian Crossing (West 69th Street)	
York Avenue and East 62nd Street	
110th Avenue and Sutphin Boulevard	Queens
137th Avenue and 172nd Street	
150th Street and 15th Drive	
27th Avenue and 8th Street (Goodwill Industries)	
36th Avenue and 23rd Street	
Archer Avenue and Parsons Boulevard	
Austin Street with 71st Avenue and Continental Avenue	
Beach 102nd Street and Rockaway Beach Blvd West Leg	
Clintonville Street and Locke Avenue	
Corona Avenue and 94th Street	
Eliot Avenue and 72nd Street	
Francis Lewis Boulevard and 35th Avenue	
Hempstead Avenue and 221st Street	
Hillside Avenue and 178th Street/Edgerton Boulevard	
Hillside Avenue and 199th Street	
Hillside Avenue and 256th Street	
Hillside Avenue with Merrick Boulevard and 166th Street	
Jamaica Avenue and 196th Street	
Jamaica Avenue and Springfield Boulevard	
Kissena Boulevard and Elder Avenue	
Kissena Boulevard and Sanford Avenue	
Little Neck Parkway and 86th Avenue	
Main Street and 41st Road	
Main Street and Northern Boulevard	
Marathon Parkway and 57th Avenue	
Merrick Boulevard and 231st Street	
Myrtle Avenue and 82nd Street	
Northern Boulevard and 33rd Street	
Northern Boulevard at 211th Street	
Northern Boulevard with Roosevelt Avenue and 156th Street	
Queens Boulevard (eastbound) and Woodhaven Boulevard	
Queens Boulevard (westbound) and Woodhaven Boulevard	
Queens Boulevard and 58th Street	
Queens Boulevard and Queens Borough Hall	
Queens Boulevard between 72nd and 73rd Streets	
Seneca Avenue and Cornelia Street	
Sutphin Boulevard and Archer Avenue	

Union Turnpike and Francis Lewis Boulevard	Queens
Union Turnpike and Springfield Boulevard	
Vernon Boulevard and 40th Avenue	
Woodhaven Boulevard (NB) and Long Island Expressway entrance ramp	
Woodhaven Boulevard and Forest Park Drive	Staten Island
Brielle Avenue and Gansevoort Boulevard (Wagner High School)	
Castleton Avenue and Bard Avenue	
Castleton Avenue and Brighton Avenue (S.I. Center for Independent Living)	
Clove Road and Clove Lake Place	
Forest Avenue and Bement Avenue	
Howard Avenue and Hillside Avenue	
Richmond Terrace and Sharpe Avenue	
Targee Street and Naples Street (235' North of Venice Street)	
Tompkins Avenue and Hill Street	
Victory Boulevard and Eddy Street	Bronx
Astor Avenue and Colden Avenue	
Bailey Avenue and West 234th Street and Bailey Place	
Bartow Avenue and Co-Op City Boulevard and Bay Plaza Boulevard	
Boston Road and East 212th Street/Pearsall Avenue	
Broadway and Van Cortlandt Park (580' South of 251st Street)	
Bronxwood Avenue and 221st Street	
Bronxwood Avenue and East 213th Street	
Bronxwood Avenue and East 219th Street	
Bronxwood Avenue and East 220th Street	
Burke Avenue and Yates Avenue	
Co-Op City Boulevard and Carver Loop East	
Co-Op City Boulevard and Rombouts Avenue and Carver Loop West	
Crotona Avenue between East 181st and East 182nd Streets	
East 163rd Street and Rogers Place	
East 233rd Street and Carpenter Avenue	
East Tremont Avenue with Hutchinson River Parkway and Ericson Place	
Edward L Grant Hwy and West 169 Street	
Goulden Avenue and Lehman College High School	
Grand Concourse and Fordham Road	
Kappock Street and Netherland Avenue	
Mace Avenue and Colden Avenue	
Morris Park Avenue and Albert Einstein College of Medicine (mid-block)	
Pelham Parkway N/S Service Roads and Williams Bridge Road	
Pelham Parkway North and Laconia Avenue	
River Avenue and East 162nd Street	
Story Avenue and Bruckner Plaza Mall (between Boynton & Morrison Ave)	

Valentine Avenue and East 178th Street	Bronx
Valentine Avenue between East Tremont and East 178th Street	
Webster Avenue between East Tremont and East 178th Street	
Westchester Avenue with Crosby, Buhre and Edison Avenues	
White Plains Road and Lydig Avenue	

One hundred top ranked intersections for new accessible pedestrian signals

As of December 31, 2017

Please note that the list of the one hundred (100) top ranked intersections for new APS units will fluctuate as new locations are added and evaluated based on the prioritization criteria described above.

Rank	Location	Borough
1	East Houston Street and Avenue D / Columbia Street	Manhattan
2	1st Avenue and 113th Street (Pedestrian Crossing)	Manhattan
3	East Houston Street and Chrystie Street - 2 Avenue	Manhattan
4	Broadway and West 145th Street	Manhattan
5	Atlantic Avenue and 3rd Avenue	Brooklyn
6	Neptune Avenue and Shore Blvd / Emmons Avenue	Brooklyn
7	Broadway and West 79th Street	Manhattan
8	Flatbush Avenue and Fulton Street	Brooklyn
9	Atlantic Avenue and Brooklyn Avenue	Brooklyn
10	Central Park West and West 72nd Street Spur / CPW 72nd Approach	Manhattan
11	Avenue C and East 20th Street	Manhattan
12	Church Avenue and Ocean Pkwy / Prospect Expressway	Brooklyn
13	8th Avenue and West 23rd Street	Manhattan
14	Morris Park Avenue and Eastchester Rd	Bronx
15	1st Avenue and East 42nd Street / FDR Drive Exit 9 Northbound	Manhattan
16	Chrystie Street and Grand Street	Manhattan
17	Delancey Street North and Essex Street	Manhattan
18	Columbus Avenue and West 97th Street	Manhattan
19	Archer Avenue and 160th Street	Queens
20	44th Drive and Hunter Street	Queens
21	Lenox Avenue and West 145th Street / Malcolm X Boulevard	Manhattan
22	6th Avenue / Avenue of the Americas and West 9th Street / Christopher Street	Manhattan
23	Queens Boulevard and Queens Boulevard / Jackson Avenue	Queens
24	Atlantic Avenue and Flatbush Avenue	Brooklyn
25	9th Avenue and West 23rd Street	Manhattan
26	11th Avenue and West 23rd Street	Manhattan
27	9th Avenue and West 20th Street	Manhattan
28	8th Avenue and West 15th Street	Manhattan
29	8th Avenue and West 21st Street	Manhattan
30	Grand Avenue and 69th Street / Borden Avenue	Queens
31	Queens Boulevard and 40th Street	Queens
32	Queens Boulevard and 39th Street	Queens
33	Central Park West and West 81st / 79th Street	Manhattan

34	7th Avenue and Bleecker Street / South	Manhattan
35	Roosevelt Avenue and Skillman Avenue	Brooklyn
36	1st Avenue and East 87th Street	Manhattan
37	Amsterdam Avenue and West 79th Street	Manhattan
38	Broadway and Cathedral Pkwy / West 110th Street	Manhattan
39	East Houston Street and Essex Street - Avenue A	Manhattan
40	East Houston Street and Pitt Street / Avenue C	Manhattan
41	2nd Avenue and East 57th Street	Manhattan
42	3rd Avenue and 60th Street / Gowanus Expwy	Brooklyn
43	East Gun Hill Rd and Perry Avenue / Reservoir Place	Bronx
44	Atlantic Avenue and 84th Street	Queens
45	Atlantic Avenue and Warwick Street	Brooklyn
46	Atlantic Avenue and Saratoga Avenue	Brooklyn
47	9th Avenue and West 26th Street	Manhattan
48	Columbus Avenue and West 77th Street	Manhattan
49	Madison Avenue and East 96th Street	Manhattan
50	Dickinson Avenue and Sedgwick Avenue	Bronx
51	York Avenue and East 63rd Street	Manhattan
52	Caton Avenue and E 8th Street	Brooklyn
53	Hylan Blvd and Huguenot Avenue	Staten Island
54	8th Avenue and West 17th Street	Manhattan
55	Ascan Avenue and Queens Boulevard	Queens
56	Northern Boulevard and 111th Street	Queens
57	6th Avenue / Avenue Of The Americas and Central Park S / Center Drive	Manhattan
58	Flatbush Avenue and Ocean Avenue	Brooklyn
59	8th Avenue and West 34th Street	Manhattan
60	Church Street and Cortlandt Street	Manhattan
61	9th Avenue and West 30th Street	Manhattan
62	Lexington Avenue and East 43rd Street	Manhattan
63	Atlantic Avenue and Clermont Avenue	Brooklyn
64	1st Avenue and East 120th Street	Manhattan
65	Pearl Street and Peck Slip	Manhattan
66	East Tremont Avenue and West Tremont Avenue / Jerome Avenue	Bronx
67	West 34th Street and 8th Avenue	Manhattan
68	Broadway and West 86th Street	Manhattan
69	1st Avenue and East 57th Street	Manhattan
70	Queens Boulevard and 42nd Street	Queens
71	East 79th Street and West 79th Transverse Road / 5 Avenue	Manhattan
72	20th Avenue and Whitestone Expwy	Queens
73	Vanderbilt Avenue and Hillside Avenue	Staten Island
74	30th Avenue and 30th Street	Queens
75	Columbus Avenue and West 86th Street	Manhattan
76	5th Avenue and West 39th Street	Manhattan
77	5th Avenue and Broadway	Manhattan
78	Riverdale Avenue and West 231 Street	Bronx

79	East Gun Hill Rd and Bainbridge Avenue	Bronx
80	9th Avenue and West 16th Street	Manhattan
81	Broadway and West 80th Street	Manhattan
82	Broadway and West 133rd Street	Manhattan
83	Broadway and West 121st Street	Manhattan
84	Pearl Street and Beekman Street	Manhattan
85	Myrtle Avenue and Forest Avenue / George Street	Queens
86	Park Avenue and East 96th Street	Manhattan
87	Jerome Avenue and West 184 Street / East 184 Street	Bronx
88	Water Street and Fulton Street	Manhattan
89	6th Avenue / Avenue Of The Americas and West 4th Street (6 Avenue and West Houston Street & Bedford)	Manhattan
90	Queens Boulevard and 45th Street	Queens
91	Queens Boulevard and 38th Street	Queens
92	Queens Boulevard and 37th Street	Queens
93	Queens Boulevard and 43rd Street	Queens
94	Queens Boulevard and 41st Street	Queens
95	8th Avenue and Flatbush Avenue	Brooklyn
96	Northern Boulevard and 112th Street	Queens
97	Broadway and West 65th Street	Manhattan
98	Grand Concourse East and East 149 Street	Bronx
99	Jamaica Avenue and 209th Street	Queens
100	Atlantic Avenue and Eastern Pkwy Ext Eb	Brooklyn