



## **Accessible Pedestrian Signals**

### **Program Status Report**

December 2021

## 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, 2021, there were APS units installed at 955 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](http://www.nyc.gov/dot).

Pursuant to Local Law 21 of 2012 (as codified in NYC Administrative Code Section 19-188), NYC DOT was installing APS units at each corner of 25 intersections each year. Effective January 1, 2016, Local Law 60 of 2014 required NYC DOT to install APS units at 75 intersections each year. Starting in 2019, DOT worked to double the Local Law commitment to 150 intersections annually. 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) and Exclusive Pedestrian Phases (EPP). NYC DOT also considers all applicable accessibility laws and regulations as well as locations that are recommended by constituents and elected officials.

On December 27, 2021, the United States District Court, Southern District of New York issued a decision in the case of *American Council of the Blind of New York, Inc. v. City of New York* (18 Civ. 5792) mandating the City of New York (City) to equip at least 10,000 signalized intersections with APS by the end of 2031 as part of Phase I implementation. Specific annual benchmarks for installations were also provided in the decision as follows:

2022: 400 intersections

2023: 500 intersections

2024: 700 intersections

2025: 900 intersections

2026: 900 intersections

2027-2031: install APS at an annual rate that will equip APS at the total of 10,000 intersections by the end of 2031 (approximately 1,100 intersections). As part of Phase II implementation during 2032 and 2036, the City must equip all remaining signalized intersections with APS.

Additionally, the court prioritized as follows the installation of APS at discretely identified intersections:

- outstanding external/public requests
- LPIs
- EPPs
- newly signalized intersections that were signalized without APS

In the past, NYC DOT established 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 (also known as the Prioritization Tool) 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 were based on the individual crosswalk and intersection scores for each location, and ultimately determined priority for installation. Going forward, NYC DOT will be prioritizing installation of APS in compliance with the Court's orders in *American Council of the Blind of New York, Inc. v. City of New York* and therefore only anticipates using the Prioritization Tool to prioritize within categories and in Phase II of the remedial order's implementation.

### **Cost and Funding Sources**

For 2021 installations, the cost per intersection averaged approximately \$64,100 with a median cost of \$51,200. The baseline estimated cost to furnish and install an APS unit on an existing pole is about \$1,700. A standard four-legged intersection would require eight units (2 per corner quadrant), meaning that the minimum estimated cost per intersection is at least \$14,000. However, an intersection typically requires additional work that increases the cost of the installation, bringing the average cost to approximately \$64,100 per location. 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. There are many other factors that significantly impact the construction schedule and cost of APS at each intersection, including:

- The unique geometric characteristics and complexities of each intersection,
- The existing subsurface conditions (i.e., utilities, subway vents, sidewalk vaults, etc.),
- The type of work permits issued to the contractor stipulating when and for how long work can occur at each intersection,
- Unforeseen field conditions requiring the additional installation of traffic signal conduits/cables, traffic signal/street light pole foundations, poles and other existing signal infrastructure equipment,
- Stricter and more expensive roadway restoration requirements,
- Protected street segments or intersections that have been resurfaced or reconstructed within the last five years,
- The extensive coordination of utility companies and agencies (Con Ed, FDNY, National Grid, Verizon, DEP, etc.),
- FDNY fire alarm post relocations,
- Coordination with other nearby capital and private development projects,
- The removal and restoration of distinctive sidewalk material and pavers,
- Holiday embargoes that prohibit construction activity at heavily trafficked intersections and along corridors during the holiday season (primarily between the end of November

- and January 1<sup>st</sup>),
- Weather conditions.
  - Supply chain issues, such as materials availability and delivery challenges.

Taking all these factors into account, the cost of installing APS at an intersection can range greatly depending on complexity, and thus the average cost of installation for a year is a statistical reflection of the types of intersections where work occurred. Construction costs for installations in 2021 ranged between a low of approximately \$17,600 (at a simple “T” intersection along Mosholu Avenue in the Bronx) and a high of over \$240,000 (at a complex intersection along the E.L. Grant Highway, also in the Bronx). City funding is used to procure contracts for the installation of all APS devices and Federal funding sources are also being explored.

### **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 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. In order to further clarify each pedestrian crossing and reduce confusion, locations where pushbuttons are within 10 feet of one another will have audible speech messages which verbally announce the name of its respective street. 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 also 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 contract provides NYC DOT 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.

Within this research project, NYCDOT is working with two companies in an initiative titled “Call to Innovation” to develop technologies that provide low-cost solutions for mobility guidance. The

objective of the project is to create a solution that will guide blind and low vision pedestrians through an intersection utilizing an intelligent transportation system (ITS) solution. NYCDOT will be testing these technologies at various intersections in Manhattan in 2022, in collaboration with participants from the PASS coalition. The goals of the project are the following:

- Provide information on street geography, including obstacles, street names, number of lanes, and presence of bus and bicycle lanes.
- Sync in real-time and with 100% accuracy to the signal timing of the pedestrian signal head.
- Operate at sub-meter geographic precision.
- Operate properly in the direction of travel. The technology must operate correctly in the intended direction of travel and must clearly announce the name of the street being crossed.

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 user experience.
- Further research of new technologies to increase the rate of installation and reduce the cost per intersection.
- Continued dialogue with blind and low vision advocacy groups.

## Accessible Pedestrian Signals Locations in New York City

As of December 31, 2021

No.	Location	Borough
1	Kappock Street and Netherland Avenue	Bronx
2	Bronxwood Avenue and East 219 Street	
3	Albert Einstein Coll Path and Alley	
4	Grand Concourse Central and East Fordham Rd	
5	Goulden Avenue and Bedford Park Blvd	
6	Webster Avenue and East Tremont Avenue	
7	Valentine Avenue and Between East Tremont Ave and East 178 Street	
8	East 163rd Street and Rogers Place	
9	Colden Avenue and Mace Avenue	
10	Lydig Avenue and White Plains Rd	
11	Laconia Avenue and Pelham Pkwy N	
12	Astor Avenue and Colden Avenue	
13	Pelham Parkway North and Williamsbridge Road	
14	Bartow Avenue and Co-Op City Blvd	
15	Co-Op City Blvd and Carver Loop East	
16	Co-Op City Blvd and Carver Loop West	
17	Bailey Avenue and West 234 Street	
18	Boston Rd and Pearsall Avenue	
19	Edward L Grant Hwy and West 169 Street	
20	Crosby Avenue and Westchester Avenue	
21	East 178th Street and Valentine Avenue	
22	Broadway and Van Cortlandt Park S	
23	Burke Avenue and Yates Avenue	
24	East Tremont Avenue and Hutchinson River Pkwy	
25	East 162nd Street and River Avenue	
26	Carpenter Avenue and East 233 Street	
27	Story Avenue and Bruckner Plaza Mall Exit/Entr	
28	Bronxwood Avenue and East 213 Street	
29	Crotona Avenue and East 182 Street	
30	Bronxwood Avenue and East 221 Street	
31	Williamsbridge Rd and Astor Avenue	
32	East Gun Hill Rd and Gunther Avenue	
33	East Tremont Avenue and Ped X-ing Lehman HS	
34	East 163rd Street and Midblock Between Trinity Avenue and Tinton Avenue	
35	3rd Avenue and Between East 170th and East 169th Streets	
36	Baychester Avenue and Donizetti Place (South of / IFO PS 178)	

37	Jerome Avenue and East Tremont Avenue
38	Sedgwick Avenue with Dickinson Avenue and Goulden Avenue
39	East Fordham Rd and Bathgate Avenue
40	Webster Avenue and East Gun Hill Road 800 Feet North of
41	Jerome Avenue and East Gun Hill Rd
42	Webster Avenue between East 170th and 171st Streets
43	Pelham Parkway South and Narrangansett Avenue
44	University Avenue between West 181st and 180th Streets
45	Webster Avenue between East 168th and East 169th Streets
46	Sedgwick Avenue and West 229th Street
47	Sedgwick Avenue and West 230st Street
48	River Avenue and East 161st Street
49	Southern Boulevard and East 189th Street
50	Van Cortlandt Park East and Between East 239th Street and Oneida Avenue
51	Riverdale Avenue and West 231 Street
52	Grant Avenue and East 161st Street
53	Webster Avenue and East 170th Street
54	Jerome Avenue and West 195 Street
55	East Gun Hill Rd and Perry Avenue
56	University Avenue and Featherbed Lane
57	Intervale Avenue and Southern Blvd
58	East 170th Street and Grand Concourse (west of) / Wythe Street
59	Sound View Avenue and Thieriot Avenue & Randall Avenue
60	East Gun Hill Rd and Kings College Pl
61	Boston Rd and Bivona Street
62	East 178th Street and Third Avenue
63	Jerome Avenue and Buchanan Pl
64	Laconia Avenue and East 215th Street
65	Barker Avenue and Waring Avenue
66	Jerome Avenue and West 183rd Street
67	Creston Avenue and East Tremont Avenue
68	Unionport Road between Starling Avenue and Metropolitan Oval
69	Townsend Avenue and East 175th Street
70	Colgate Avenue and Watson Avenue
71	3rd Avenue and East 138th Street
72	Stillwell Avenue and Pelham Parkway South S/R
73	Southern Boulevard / Crotona Parkway and East 176th Street
74	Alexander Avenue and East 137th Street
75	Boston Rd and Secor Avenue
76	Jerome Avenue and East 169th Street / Clark Street West
77	Manhattan College Parkway and West 242nd Street / Waldo Avenue

78	Bartow Avenue and Baychester Avenue
79	Jerome Avenue and West 177 Street
80	Co-Op City Boulevard and Bellamy Loop North
81	Park Avenue and East 158th Street
82	East 183rd Street and Creston Avenue
83	Seymour Avenue and Pelham Parkway South E/B
84	Pelham Parkway South S/R and Seymour Avenue
85	East Gun Hill Rd and Holland Avenue
86	City Island Avenue and Bowne Street
87	Coddington Avenue and Crosby Avenue
88	Arthur Avenue and East 176th Street
89	Alexander Avenue and Between East 135th and 137th Streets
90	Westchester Avenue and West Farms Road
91	East 174th Street and Stratford Avenue
92	Purdy Street and East Tremont Avenue
93	Cromwell Avenue and West 169th Street
94	Morris Park Avenue and East 180 Street
95	Morris Avenue and Teller Avenue
96	Story Avenue and Thieriot Avenue
97	3rd Avenue and East 168th Street
98	Eastchester Road and Jarrett Place
99	East 176th Street and Third Avenue
100	Southern Boulevard and Leggett Avenue
101	West Kingsbridge Road and Reservoir Avenue
102	White Plains Road and Bronxdale Avenue / Unionport Road
103	White Plains Road and Unionport Road
104	White Plains Road and Birchall Avenue
105	Edward L Grant Highway and West 170th Street
106	University Avenue and Macombs Road
107	Boston Rd and Steenwick Avenue
108	Boston Rd and Waring Avenue
109	Boston Rd and Edson Avenue
110	Boston Rd and Boller Avenue
111	Underhill Avenue and Lafayette Avenue
112	Jerome Avenue and Goble Pl
113	University Avenue and West 176th Street
114	University Avenue and West 175th Street
115	East 167th Street and Kelly Street
116	Seward Avenue and Pugsley Avenue
117	Manida Street and Randall Avenue
118	Morris Park Avenue and Yates Avenue



119	Jerome Avenue and Mosholu E&W Parkway	
120	East 174th Street and Morrison Avenue	
121	Baychester Avenue / Tillotson Avenue and Rombouts Avenue	
122	Edward L Grant Hwy and Shakespeare Avenue	
123	Brook Avenue and East 163rd Street	
124	Mosholu Avenue and Fieldston Road	
125	East Gun Hill Rd and Putnam Pl	
126	West 183rd Street and Andrews Avenue North	
127	Lafayette Avenue and Thieriot Avenue	
128	East Gun Hill Rd and Arnow Avenue	
129	West 256th Street and Mosholu Avenue	
130	St Paul'S Place and Third Avenue	
131	White Plains Road and East 215th Street	
132	Longwood Avenue and Hewitt Place	
133	Riverdale Avenue and West 259 Street	
134	Bedford Avenue and Campus Road	
135	Jay Street and Metrotech Center S/R	
136	Adams Street and Fulton Street	
137	Boerum Place and Atlantic Avenue	
138	Adams Street and Fulton Street	
139	Metrotech Walk and Jay Street	
140	Boerum Place and Livingston Street	
141	Court Street and Livingston Street	
142	Nevins Street and Flatbush Avenue	
143	Mc Donald Avenue and Ditmas Avenue	
144	Smith Street and Livingston Street	
145	Court Street and Schermerhorn Street	
146	Boerum Place and Schermerhorn Street	
147	Nevins Street and Atlantic Avenue	Brooklyn
148	5th Avenue and 89th Street	
149	Ditmas Avenue and East 5th Street	
150	Jay Street and Willoughby Street	
151	Court Street and Montague Street	
152	Bond Street and Livingston Street	
153	Hoyt Street and Livingston Street	
154	Hoyt Street and Atlantic Avenue	
155	Court Street and Joralemon Street	
156	Church Avenue and Mc Donald Avenue	
157	Smith Street and Atlantic Avenue	
158	Church Avenue and Dahill Road	
159	14th Avenue and 36th Street	

160	Flushing Avenue and Skillman Street
161	Court Street and Atlantic Avenue
162	Fulton Street and Jay Street with Smith Street
163	Bond Street and Atlantic Avenue
164	Boerum Place and State Street
165	Nevins Street and Schermerhorn Street
166	Erasmus Street and Nostrand Avenue
167	Court Street and State Street
168	Nevins Street and Livingston Street
169	62nd Street and New Utrecht Avenue
170	Freeport Loop and Pennsylvania Avenue
171	East 107th Street and Flatlands Avenue
172	Dekalb Avenue and Hudson Avenue
173	Hanson Place and St. Felix Street
174	Campus Road and Hillel Pl
175	4th Avenue and 39th Street
176	Flatbush Avenue Ex and Willoughby Street
177	Dekalb Avenue and Flatbush Avenue Ex
178	44th Street and 4th Avenue
179	4th Avenue and 54th Street
180	4th Avenue and 55th Street
181	33rd Street and 3rd Avenue NB
182	4th Avenue and 9th Street
183	4th Avenue and 45th Street
184	86th Street and Bay 22nd Street
185	Cropsey Avenue and Bay 35 Street / 24 Avenue
186	Cropsey Avenue and Bay 49th Street
187	Flatbush Avenue and Brooklyn Avenue
188	Dean Street and E New York Avenue
189	Bay 32nd Street and Cropsey Avenue
190	4th Avenue and 59th Street
191	Graham Avenue and 500' South of Maujer Street
192	86th Street and 4th Avenue
193	4th Avenue and 36th Street
194	Avenue U and Ocean Avenue
195	Flatbush Avenue And Glenwood Road West Leg
196	Flatbush Avenue And Glenwood Road West Leg
197	Flatbush Avenue And Glenwood Road East Leg / E 29 Street
198	4th Avenue and Union Street
199	Rockaway Pkwy and Church Avenue
200	Glenwood Road and Nostrand Avenue

201	Dean Street and Rochester Avenue
202	Flatbush Avenue and Nostrand Avenue
203	Franklin Avenue and Lafayette Avenue
204	Dekalb Avenue and S Portland Avenue
205	Bedford Avenue and Lafayette Avenue
206	Bogart Street and Flushing Avenue
207	Crescent Street and Fulton Street
208	Avenue Z and East 6th Street
209	Flushing Avenue and Warsoff Place
210	Remsen Avenue and E 52nd Street
211	Nevins Street and State Street
212	Fulton Street and Lafayette Avenue
213	Voorhies Avenue and East 18th Street
214	Flatbush Avenue and Lafayette Avenue
215	4th Avenue and 60th Street
216	Avenue J and East 27th Street
217	Avenue Y and East 26th Street
218	East 42nd Street and Lenox Road
219	New Lots Avenue and Powell Street
220	Surf Avenue and W 29th Street
221	Brighton Beach Avenue and Coney Island Avenue
222	Flatbush Avenue and Avenue U
223	Avenue X and Brown Street
224	Avenue Y and East 29th Street
225	Avenue K and East 29th Street
226	Neptune Avenue and Shore Blvd
227	Atlantic Avenue and Brooklyn Avenue
228	Atlantic Avenue and 3rd Avenue
229	Caton Avenue and East 8th Street
230	Driggs Avenue and Union Avenue
231	Atlantic Avenue and Clermont Avenue
232	86th Street and West 8th Street
233	Ocean Avenue and Prospect Park North Entrance
234	Ocean Avenue and Prospect Park South Entrance
235	Christopher Avenue and Linden Boulevard
236	Emerson Place and Lafayette Avenue
237	Ralph Avenue Between Avenue L and Avenue K
238	Grand Army Plaza and Vanderbilt Avenue
239	Flatbush Avenue and Prospect Park Zoo
240	Myrtle Avenue and Hudson Walk
241	87th Street between 4th and 5th Avenues

242	West 12th Street and Pedestrian Walk IFO 2914 W 12th
243	Atlantic Avenue and Flatbush Avenue
244	4th Avenue and 3rd Street
245	Fort Hamilton Pkwy and 86th Street
246	Fort Hamilton Pkwy and 92nd Street
247	Flatbush Avenue and Church Avenue
248	Atlantic Avenue and Kingston Avenue
249	Flatlands Avenue and East 76th Street
250	Atlantic Avenue and Classon Avenue
251	Myrtle Avenue and Stanhope Street
252	Utica Avenue and Avenue M
253	Atlantic Avenue and Nostrand Avenue
254	Battery Avenue and 86th Street
255	Rogers Avenue and St. Johns Place
256	19th Avenue and 86th Street
257	Flatbush Avenue and Beekman Place with Maple Street
258	Fort Hamilton Pkwy and 6th Avenue
259	Avenue K and East 32nd Street
260	Fulton Street and Brooklyn Avenue
261	Church Avenue and Ocean Pkwy
262	Atlantic Avenue and Williams Place/East New York Avenue
263	Coney Island Avenue and Avenue N
264	East 13th Street and Avenue I
265	Avenue I and East 52nd Street
266	Bay Parkway and Avenue J
267	Benson Avenue and Bay 25th Street
268	Avenue S and West 7th Street
269	9th Street and 3rd Avenue
270	Williams Avenue and Pitkin Avenue
271	Caton Avenue and East 17th Street
272	Avenue T and East 24th Street
273	Church Avenue and East 37th Street
274	Empire Boulevard and Mc Keever Place
275	Avenue X and East 22 Street
276	Hollis Avenue and 190th Street
277	Avenue R and East 15 Street
278	7th Avenue and 81st Street
279	Kingston Avenue and Sterling Place
280	Coney Island Avenue Between Glenwood Road and Avenue H
281	17th Avenue and 73rd Street
282	18th Avenue and 54th Street

283	Ridge Boulevard and 67th Street
284	17th Avenue and 72nd Street
285	New Lots Avenue and Miller Avenue / Riverdale Avenue
286	Glenwood Road and East 79th Street
287	Church Avenue and East 32nd Street & Raleigh Place
288	Coney Island Avenue and Kings Highway
289	Avenue V and East 8th Street
290	Flatbush Avenue and Avenue T
291	Avenue U and East 2nd Street
292	Avenue V and East 23rd Street
293	Avenue V and Coyle Street
294	Fulton Street and Chestnut Street
295	Cortelyou Road and Stratford Road
296	East 24th Street and Quentin Road
297	Avenue K and East 23rd Street
298	Snyder Avenue and East 58 Street
299	Glenwood Road and East 39th Street
300	Avenue I and East 21st Street
301	Coney Island Avenue and Avenue O
302	10th Avenue and 73rd Street
303	Grand Street and Waterbury Street
304	Atlantic Avenue and Waverly Avenue
305	Clinton Avenue and Fulton Street
306	Saratoga Avenue and Bergen Street
307	Bergen Street and Rochester Avenue
308	Central Avenue and Harman Street
309	Etna Street and Hemlock Street
310	Wythe Avenue and North 4th Street
311	Flatlands Avenue and Elton Street
312	Avenue O and East 2nd Street
313	Nostrand Avenue and Marine Parkway
314	East 91st Street and Winthrop Street
315	Flushing Avenue Garden Street
316	Stanley Avenue and Sheffield Avenue
317	Neptune Avenue and W 5th Street
318	Saratoga Avenue and Fulton Street
319	3rd Avenue and 59th Street
320	Avenue J and East 31st Street
321	East New York Avenue and Troy Avenue
322	Avenue C and East 7th Street
323	Loring Avenue and Eldert Lane

324	Benson Avenue and Bay 26th Street
325	Winthrop Street and East 93rd Street
326	Columbia Street and Mill Street
327	Marcus Garvey Boulevard and Park Avenue
328	Ocean Avenue and Church Avenue
329	Stanley Avenue and Georgia Avenue
330	Church Avenue and Fairview Place / East 31st Street
331	Erskine Street and Schroeders Avenue (180 Feet South of)
332	Atlantic Avenue and Franklin Avenue
333	Park Avenue and St Edwards Street
334	Ocean Avenue and Quentin Road
335	Roebing Street and South 1st Street
336	Ralph Avenue and Avenue M
337	Avenue R and Gerritsen Avenue
338	65th Street and Dahill Road
339	Broadway and Bartlett Street
340	18th Avenue and East 8th Street
341	Seaview Avenue and East 98th Street
342	Buffalo Avenue and St Marks Avenue
343	Fulton Street and Lincoln Avenue
344	Neptune Avenue and West 28th Street
345	Remsen Avenue and Clarkson Avenue South Leg
346	Avenue T and East 26th Street
347	11th Avenue and Ovington Avenue
348	Beverly Road and Ralph Avenue
349	Dekalb Avenue and Skillman Street
350	Eastern Parkway and New York Avenue
351	Eastern Parkway and Ralph Avenue
352	11th Avenue and 71st Street
353	Stanhope Street and Central Avenue
354	East New York Avenue and Kingston Avenue
355	East 82nd Street and Farragut Road
356	Utica Avenue and Church Avenue
357	Kings Highway and West 12th Street
358	Central Avenue and Jefferson Avenue
359	Central Avenue and Madison Street
360	Nostrand Avenue and Flushing Avenue
361	Wilson Avenue and Madison Street
362	Patchen Avenue and Chauncey Street
363	Knickerbocker Avenue and Menahan Street
364	Marcus Garvey Boulevard and Fulton Street

365	Bushwick Avenue and Johnson Avenue
366	Broadway and Hewes Street
367	Graham Avenue and Scholes Street
368	Wilson Avenue and Hart Street
369	17th Avenue and 78th Street
370	Bradford Street and Fulton Street
371	Atlantic Avenue and Sheridan Avenue
372	Avenue K and New York Avenue
373	Maple Street and Nostrand Avenue
374	Shore Parkway IFO 1752 BJs Driveway
375	Avenue M and East 26th Street
376	Bushwick Avenue and Moore Street
377	Fulton Street and Barbey Street
378	Avenue M and East 28th Street
379	Ocean Parkway and Parkville Avenue
380	67th Street and 8th Avenue
381	Avenue J and East 2nd Street
382	Dahill Road and 12th Avenue
383	Gerritsen Avenue and Avenue S
384	3rd Avenue and 16th Street
385	86th Street and Van Sicklen Street
386	Farragut Road and East 31st Street
387	Stillwell Avenue and Bay 50 Street & Harway Avenue
388	Remsen Avenue and Conklin Avenue
389	Pitkin Avenue and Chestnut Street
390	East 95th Street and Avenue K
391	86th Street and West 6th Street
392	New Utrecht Avenue and Fort Hamilton Parkway
393	Rutland Road and East 91 Street
394	86th Street and McDonald Avenue / Shell Road / Avenue X
395	Fulton Street and Kingston Avenue
396	Union Avenue and Maujer Street
397	Avenue K and East 7th Street
398	Sutter Avenue and Autumn Avenue
399	Atlantic Avenue and Van Siclen Avenue
400	Sutter Avenue and Pine Street
401	24th Avenue and 33rd Street
402	20th Avenue and 64th Street
403	Jamaica Avenue and Hendrix Street
404	Broadway and Melrose Street
405	Willoughby Avenue and Wilson Avenue

406	Farragut Road and East 26th Street / Amersfort Place	
407	Nostrand Avenue and Kosciusko Street	
408	Snyder Avenue and East 59 Street	
409	9th Avenue and 42nd Street	
410	Old Fulton Street and Water Street	
411	5th Avenue and 24th Street	
412	Marcus Garvey Boulevard and Myrtle Avenue	
413	Marcus Garvey Boulevard and Madison Street	
414	Foster Avenue and Ocean Parkway	
415	Johnson Avenue and White Street	
416	Fillmore Avenue and East 33rd Street	
417	Bedford Avenue and Manhattan Avenue	
418	Kings Highway and Schenectady Avenue	
419	6th Avenue / Avenue Of The Americas and West 23rd Street	
420	Park Avenue and East 59th Street	
421	Lexington Avenue and East 59th Street	
422	3rd Avenue and East 59th Street	
423	Central Park West and West 65th Transverse Road	
424	Broadway and Columbus Avenue with West 65 Street	
425	Broadway and Columbus Avenue with West 65 Street	
426	7th Avenue and West 23rd Street	
427	West 34th Street and 8th Avenue	
428	5th Avenue and 23rd Street	
429	Broadway and 5th Avenue with East 23rd Street	
430	Stone Street and Whitehall Street	
431	Lexington Avenue and East 52nd Street	
432	7th Avenue and West 32nd Street	
433	East 62nd Street and York Avenue	
434	8th Avenue and West 55th Street	
435	West 57th Street and 6th Avenue / Avenue Of The Americas	
436	West 57th Street and Midblock between 8 Avenue 9 Avenue	
437	West 23rd Street and Midblock between 6 Avenue 5 Avenue	
438	Broadway/Whitehall Street and Bowling Green	
439	Beekman Street and Gold Street	
440	Gold Street and Spruce Street	
441	Fulton Street and Gold Street	
442	St James Place and James Street	
443	Edgecombe Avenue and West 164th Street	
444	Jefferson Street and Madison Street	
445	Front Street and Maiden La	
446	East 85th Street and East End Avenue	

Manhattan



447	Grand Army Plaza and West 58th Street
448	Battery Place and Washington Street
449	Thompson Street and Washington Sq S
450	3rd Avenue and East 72nd Street
451	Central Park West and West 65th Street
452	Barclay Street and Greenwich Street
453	Amsterdam Avenue and West 113th Street
454	St Nicholas Avenue and West 155th Street
455	1st Avenue and East 30th Street
456	East Broadway and Catherine Street
457	Ridge Street and Grand Street
458	West 42nd Street between 5th and 6th Avenues
459	West 34th Street and 7th Avenue
460	Stone Street and Broad Street
461	West 42nd Street and 7th Avenue
462	West 34th Street and 7th Avenue
463	West 42nd Street and 8th Avenue
464	8th Avenue and West 31st Street
465	Columbus Avenue and West 66th Street
466	Broadway and West 66th Street
467	Amsterdam Avenue and West 114th Street
468	5th Avenue and West 124th Street
469	Beekman Street and Nassau Street
470	West 53rd Street and 5th Avenue
471	Fulton Street and Water Street
472	East 3rd Street and Avenue D
473	St Nicholas Avenue and West 125th Street
474	Cherry Street and Rutgers Street
475	West 125th Street and Lenox Avenue
476	West 125th Street and 5th Avenue
477	West 125th Street and Frederick Douglass Blvd
478	Broadway and West 175th Street
479	Riverside Drive and Broadway
480	5th Avenue and West 125th Street
481	2nd Avenue and Stuyvesant Sq Path
482	2nd Avenue and East 114th Street
483	2nd Avenue and East 115th Street
484	Avenue D and East 10th Street
485	Frederick Douglass Blvd and West 129th Street
486	5th Avenue and West 112th Street
487	Amsterdam Avenue and West 118th Street

488	2nd Avenue and East 99th Street
489	2nd Avenue and East 107th Street
490	3rd Avenue and East 113th Street
491	1st Avenue and East 120th Street
492	Beekman Street and William Street
493	5th Avenue and West 132nd Street
494	5th Avenue and West 97th Transverse Road
495	Amsterdam Avenue and West 123rd Street
496	Broome Street and Avenue Of The Americas
497	9th Avenue and West 28th Street
498	Central Park West and West 81st Street
499	Leonard Street and Centre Street
500	Amsterdam Avenue and West 62nd Street
501	Murray Street and West Street
502	Lafayette Street and Duane Street
503	3rd Avenue and East 115th Street
504	Lenox Avenue and West 145th Street
505	7th Avenue and West 45th Street
506	7th Avenue and West 47th Street
507	7th Avenue and West 43rd Street
508	7th Avenue and West 44th Street
509	7th Avenue and West 46th Street
510	East 25th Street and Lexington Avenue
511	Broadway and West 96th Street
512	Broadway and West 218th Street
513	Broadway and West 64th Street
514	Columbus Avenue and West 64th Street
515	1st Avenue and East 17th Street
516	Riverside Drive and West 151st Street
517	Riverside Drive and West 138th Street
518	St Nicholas Avenue and West 157th Street
519	Riverside Drive and West 163rd Street
520	St Nicholas Avenue and West 133rd Street
521	Madison Avenue and East 135 Street
522	Madison Avenue and East 132 Street
523	Frederick Douglass Blvd and West 155th Street
524	Frederick Douglass Blvd and West 125th Street
525	East 22nd Street and 1st Avenue
526	12th Avenue and West 23rd Street
527	1st Avenue and East 21st Street
528	Clinton Street and East Broadway

529	1st Avenue and East 19th Street
530	East 37th Street and F D R Drive
531	10th Avenue and West 55th Street
532	Vesey Street and West Street
533	West End Avenue and West 69th Street
534	West End Avenue and West 66th Street
535	Madison Street and Jackson Street
536	Columbus Avenue and West 97th Street
537	Riverside Drive and West 94th Street
538	Riverside Drive South Triangle (Tiemann Stairs)
539	1st Avenue and East 18th Street
540	1st Avenue and East 16th Street
541	1st Avenue and East 14th Street
542	1st Avenue and East 15th Street
543	Lexington Avenue and East 112th Street
544	Lexington Avenue and East 115th Street
545	5th Avenue / Broadway and between 23rd Street and 24th Street
546	East 23rd Street and 2nd Avenue
547	1st Avenue and East 23rd Street
548	Columbus Avenue and West 100th Street
549	Columbus Avenue and West 104th Street
550	Columbus Avenue and West 97th Street
551	Riverside Drive and West 112th Street
552	Riverside Drive North Triangle (Tiemann Stairs)
553	Broadway and West 116th Street
554	East 23rd Street and Madison Avenue
555	East 23rd Street and Park Avenue
556	1st Avenue and East 20th Street
557	9th Avenue and West 43rd Street
558	Madison Avenue and East 99th Street
559	Madison Avenue and East 112th Street
560	Broadway and Astor Place
561	Madison Avenue and East 115th Street
562	Park Avenue and East 113th Street
563	9th Avenue and West 23rd Street
564	Centre Street and Brooklyn Bidge
565	3rd Avenue and East 23rd Street
566	East 23rd Street and Lexington Avenue
567	Broadway and West 79th Street
568	Central Park West and West 72nd Street Spur
569	Lexington Avenue and East 42nd Street

570	Broadway and West 164th Street
571	Columbus Avenue and West 97th Street
572	1st Avenue and East 28th Street
573	8th Avenue and West 23rd Street
574	East Houston Street and Pitt Street
575	Lexington Avenue and East 43rd Street
576	6th Avenue / Avenue Of The Americas and West 9th Street
577	Riverside Drive and West 181st Street (North of)
578	Riverside Drive and West 103rd Street
579	Riverside Drive and West 106th Street
580	Greenwich Street and Cortlandt Street
581	Riverside Drive and West 101st Street
582	Riverside Drive and West 99th Street
583	West 112th Street and 5th Avenue
584	West Street and Horatio Street
585	West End Avenue and West 65th Street
586	Broadway and West 133rd Street
587	Amsterdam Avenue and West 79th Street
588	West End Avenue and West 64th Street
589	West End Avenue and West 63rd Street
590	Delancey Street North and Essex Street
591	Broadway and West 78th Street
592	Broadway and West 152nd Street
593	Broadway and West 153rd Street
594	Broadway and West 86th Street
595	East Houston Street and Essex Street - Avenue A
596	6th Avenue / Avenue Of The Americas and West 16th Street
597	Pearl Street and Beekman Street
598	Riverside Drive S/B and 450' North of West 122nd Street
599	2nd Avenue and East 96th Street
600	Broadway and Sherman Avenue
601	York Avenue and East 63rd Street
602	7th Avenue and West 17th Street
603	Sutton Place and East 57th Street
604	West End Avenue and West 97th Street
605	Central Park West and West 97th Street
606	East 125th Street and Lexington Avenue
607	8th Avenue and West 52nd Street
608	5th Avenue and West 8th Street
609	Broadway and West 173rd Street
610	Broadway and West 160th Street

611	York Avenue and East 68th Street
612	8th Avenue and West 53rd Street
613	8th Avenue and West 25th Street
614	Avenue C and East 16th Street
615	Amsterdam Avenue and West 73rd Street
616	East Houston Street and Avenue B
617	Central Park West and West 100th Street Spur
618	2nd Avenue and East 72nd Street
619	Riverside Drive N/B and Grants Tomb 450' North of W 122 Street
620	3rd Avenue and East 42nd Street
621	Riverside Drive and West 95th Street
622	Leroy Street and 7th Avenue
623	Clinton Street and Henry Street
624	Broadway and Cathedral Pkwy
625	Park Avenue and East 115th Street
626	West 3rd Street between Mercer Street and LaGuardia Place
627	Amsterdam Avenue and West 64th Street
628	Broadway and West 106th Street
629	6th Avenue / Avenue Of The Americas and West 11th Street
630	West 57th Street and Midblock Between 5th and 6th Avenue
631	1st Avenue and East 54th Street
632	West End Avenue and West 79th Street
633	7th Avenue and Bleecker Street
634	6th Avenue / Avenue Of The Americas and West 57th Street
635	Amsterdam Avenue and West 66th Street
636	Amsterdam Avenue and West 96th Street
637	Spruce Street and Nassau Street
638	6th Avenue / Avenue Of The Americas and West 40th Street
639	Avenue C and East 20th Street
640	Amsterdam Avenue and West 185th Street
641	Columbus Avenue and West 72nd Street
642	Amsterdam Avenue and West 97th Street
643	8th Avenue and West 54th Street
644	3rd Avenue and East 28th Street
645	East 118th Street and Pleasant Avenue
646	Greenwich Street and Chambers Street
647	1st Avenue and East 106th Street
648	1st Avenue and East 109th Street
649	7th Avenue / Varick Street and Clarkson Street / Carmine Street
650	1st Avenue and East 82nd Street
651	Broadway and West 182nd Street

652	1st Avenue and East 66th Street	
653	Grand Street and Clinton Street	
654	Amsterdam Avenue and West 138th Street	
655	Ft Washington Avenue between West 165th West 168th Streets	
656	1st Avenue and East 67th Street	
657	2nd Avenue and East 42nd Street	
658	La Guardia Place and Washington Sq S	
659	Park Avenue and East 81st Street	
660	Lenox Avenue and West 134th Street	
661	Grand Street and Lewis Street	
662	West End Avenue and West 95th Street	
663	1st Avenue and East 13th Street	
664	Gansevoort Street and Washington Street	
665	Varick Street and West Houston Street	
666	Broadway and West 187th Street	
667	7th Avenue and West 58th Street	
668	Broadway and West 184th Street	
669	Amsterdam Avenue and Cathedral Pkwy	
670	Centre Street and Chambers Street	
671	Broadway and West 49th Street	
672	10th Avenue and West 42nd Street	
673	Central Park West and West 82nd Street	
674	Lenox Avenue and West 111th Street	
675	3rd Avenue and East 65th Street	
676	Madison Avenue and East 25th Street	
677	5th Avenue and West 141st Street	
678	27th Avenue and 8th Street	
679	256th Street and Hillside Avenue	
680	Little Neck Pkwy Nb and 86th Avenue	
681	Long Island Expwy Outer Ln W/B and Woodhaven Boulevard	
682	Queens Boulevard and Woodhaven Boulevard	
683	Queens Boulevard and Woodhaven Boulevard	
684	57th Avenue and Marathon Pkwy	
685	23rd Street and 36th Avenue	Queens
686	Queens Boulevard and 58th Street	
687	211th Street and Northern Boulevard	
688	Crocheron Avenue and Francis Lewis Boulevard	
689	Cornelia Street and Seneca Avenue	
690	Clintonville Street and Locke Avenue	
691	231st Street and Merrick Boulevard	
692	82nd Street and Myrtle Avenue	

693	196th Street and Jamaica Avenue
694	Queens Boulevard and Queens Borough Hall
695	94th Street and Corona Avenue
696	110th Avenue and Sutphin Boulevard
697	221st Street and Hempstead Avenue
698	Jamaica Avenue and Springfield Boulevard
699	Springfield Boulevard and Union Tpke
700	Northern Boulevard and Roosevelt Avenue
701	72nd Street and Queens Boulevard
702	Main Street and Northern Boulevard
703	Kissena Boulevard and Sanford Avenue
704	Elder Avenue and Kissena Boulevard
705	40th Avenue and Vernon Boulevard
706	Hillside Avenue and Merrick Boulevard
707	41st Road and Main Street
708	72nd Street and Eliot Avenue
709	199th Street and Hillside Avenue
710	178th Street and Hillside Avenue
711	Archer Avenue and Parsons Boulevard
712	Northern Boulevard and 33rd Street
713	Francis Lewis Boulevard and Union Tpke
714	Archer Avenue and Sutphin Boulevard
715	Woodhaven Boulevard and Forest Park Drive
716	Austin Street and 71st Avenue
717	137th Avenue and 172 Street
718	150th Street and 15th Drive
719	Beach 102nd Street and Rockaway Beach Boulevard
720	47th Street and 48th Avenue
721	Northern Boulevard and 90th Street
722	Harper Street and Marina Road
723	Steinway Street and 31st Avenue
724	37th Avenue and 78th Street
725	145th Avenue and Springfield Boulevard
726	Steinway Street and 31st Avenue
727	Steinway Street and Broadway
728	Northern Boulevard and Alley Pond Environmental Center
729	Woodhaven Boulevard and 86th Drive East Leg
730	Woodhaven Boulevard West S/R and 147' South of Jamaica Avenue
731	Woodhaven Boulevard East S/R and 180' South of Jamaica Avenue
732	Woodhaven Boulevard West Leg and 86th Drive
733	Yellowstone Boulevard and Queens Boulevard

734	Northern Boulevard and 112th Street
735	Atlantic Avenue and 84th Street
736	20th Avenue and Whitestone Expwy
737	20th Avenue and Whitestone Expwy
738	30th Avenue and 30th Street
739	Main Street and 63rd Avenue and Gravett Road (Midblock)
740	Queens Boulevard and 42nd Street
741	44th Drive and Hunter Street
742	108th Street and Van Doren Street
743	Rockaway Boulevard and 84th Street
744	Queens Boulevard and 37th Street
745	Queens Boulevard and 39th Street
746	Rockaway Boulevard and 110th Street
747	Queens Boulevard and 41st Street
748	Northern Boulevard and 110th Street
749	108th Street and 53rd Avenue
750	Jackson Avenue and 21st Street
751	Woodhaven Boulevard and 66th Avenue
752	Jamaica Avenue and 175th Street
753	21st Street and 31st Road
754	Northern Boulevard and 89th Street
755	Rockaway Boulevard and 123rd Street
756	Northern Boulevard and 103rd Street
757	Hillside Avenue and 175th Street
758	Jamaica Avenue and 207th Street
759	Rockaway Boulevard and 98th Street
760	28th Street and Queens Plaza North / Bridge Plaza North
761	21st Street and 41st Avenue
762	Jamaica Avenue and 143rd Street
763	Woodhaven Boulevard and 64th Road
764	Metropolitan Avenue and Woodhaven Boulevard
765	21st Street and 31st Drive
766	Jamaica Avenue and 222nd Street
767	Rockaway Boulevard and 142nd Street
768	Skillman Avenue and 54th Street North
769	Rockaway Boulevard and 101st Avenue
770	21st Street and 38th Avenue
771	21st Street and 31st Avenue
772	Union Turnpike and Utopia Parkway
773	Queens Boulevard and 39 Pl
774	Union Street and 45th Avenue



775	Jamaica Avenue and 190th Street
776	Jamaica Avenue and 188th Street
777	108th Street and 63rd Drive
778	48th Avenue and 211st Street
779	Austin Street and Yellowstone Boulevard
780	Horace Harding Expressway S/R North and 92nd Street
781	160th Street and Booth Memrl Avenue
782	Horace Harding Expressway E/B S/R and Cloverdale Boulevard
783	Horace Harding W/B S/R and Cloverdale Boulevard
784	Horace Harding W/B S/R and Fresh Meadow Lane
785	30th Avenue and Hobart Street
786	Horace Harding Expwy Sr N and 99th Street
787	43rd Avenue and 97th Place
788	Rockaway Boulevard and 126th Street
789	Cross Bay Boulevard and Pitkin Avenue
790	Queens Boulevard and 38th Street
791	Horace Harding W/B S/R and Corona Avenue
792	Horace Harding Expressway E/B S/R and Grand Central Parkway S/R
793	Queens Boulevard and 45th Street
794	Rockaway Boulevard and 130th Street
795	Woodhaven Boulevard and Park Lane
796	Queens Boulevard and 43rd Street
797	136th Street and Park Drive East
798	Jamaica Avenue and 224th Street
799	21st Street and 34th Avenue
800	212th Street and Between 18th and 23rd Avenues
801	Queens Boulevard and 71st Avenue
802	38th Avenue and 30th Street
803	Woodhaven Boulevard and Penelope Avenue
804	Northern Boulevard and 78th Street
805	Jamaica Avenue and 189th Street
806	30th Road and Crescent Street
807	Northern Boulevard and 79th Street
808	Northern Boulevard and 61st Street
809	109th Avenue and 133rd Street
810	Queens Boulevard and 35th Street
811	21st Street and 21st Road
812	31st Road and 138th Street
813	62nd Drive and Grand Central Parkway
814	Austin Street and 70th Avenue
815	35th Avenue and 70th Street

816	32nd Avenue and 93rd Street & Jackson Mill Road
817	Maurice Avenue and 66th Street
818	Hillside Avenue and 170' West of 239th Street
819	Thomson Avenue and 31st Place
820	Liberty Avenue and 148th Street
821	Northern Boulevard and 93rd Street
822	Northern Boulevard and 167th Street
823	Jamaica Avenue and 181st Street
824	Northern Boulevard and 155th Street
825	101st Avenue and 112th Street
826	Amboy Lane and Springfield Boulevard
827	Rockaway Boulevard and 81st Street
828	107th Avenue and 120th Street
829	Northern Boulevard and 104th Street
830	101st Avenue and 81st Street
831	Yellowstone Boulevard and Groton Street
832	46th Avenue and Francis Lewis Boulevard
833	Queens Boulevard and 32nd Place
834	Union Street and 26th Avenue
835	Northern Boulevard and 99th Street
836	Review Avenue and 37th Street
837	Rockaway Boulevard and 132nd Avenue
838	Guy R Brewer Boulevard and Pedestrian Walk / 350' North of 134th Avenue
839	Denman Street and Whitney Avenue
840	Parsons Boulevard and Franklin Avenue
841	Atlantic Avenue and 87th Street
842	Merrick Boulevard and 109th Avenue
843	36th Avenue and 13th Street
844	31st Avenue and 100th Street
845	Grand Avenue and 74th Street
846	College Point Boulevard and Pople Avenue
847	Empire Avenue and Reads Lane
848	49th Avenue and 69th Street
849	Hillside Avenue and 164th Street
850	Atlantic Avenue and 134th Street
851	Hillside Avenue and 233rd Street
852	Yellowstone Boulevard and 63rd Avenue
853	103rd Avenue and 223rd Street
854	58th Road and Main Street
855	71st Avenue and Juno Street
856	92nd Street and Between 57th Avenue and 59th Avenue

857	109th Avenue and 129th Street
858	Hunters Point Avenue and 32nd Place
859	Linden Boulevard and 128th Street
860	Northern Boulevard and 196th Street
861	Cross Bay Boulevard and East 1st Road
862	111th Street and 46th Avenue
863	Hillside Avenue and 267th Street
864	Northern Boulevard and 157th Street
865	Hillside Avenue and Babbage Street / 118th Street
866	Corona Avenue and 50th Avenue
867	Maurice Avenue and 68th Street
868	Roosevelt Avenue and 57th Street
869	267th Street and Grand Central Parkway S/R E
870	Broadway between 49th Street and 51st Street
871	188th Street and 186th Lane
872	Queens Boulevard and 64th Avenue / 64th Road
873	36th Avenue and 14th Street
874	Borden Avenue and 25th Street
875	Juniper Boulevard South and Dry Harbor Road
876	Stephen Street and Seneca Avenue
877	Rockaway Boulevard and 140th Street
878	Rockaway Boulevard and 131st Street
879	76th Avenue and Utopia Parkway
880	103rd Avenue and 98th Street
881	Roosevelt Avenue and Woodside Avenue / 59th Street
882	Roosevelt Avenue and 55th Street
883	Dunkirk Street and Wood Street
884	Sayres Avenue and 111th Avenue / 177th Street
885	109th Avenue and 122nd Street
886	Hillside Avenue and 183rd Street
887	Roosevelt Avenue and Bowne Street
888	Guy R Brewer Boulevard and 150th Avenue
889	Hempstead Avenue and 218th Street
890	Roosevelt Avenue and 98th Street
891	Liberty Avenue and 80th Street
892	Hollis Court Boulevard and 189th Street / 46th Road
893	47th Street and Grand Avenue
894	Metropolitan Avenue and 55th Street
895	Liberty Avenue and 102nd Street
896	Linden Boulevard and 115th Street
897	230th Place and North Conduit Avenue

898	Liberty Avenue and 127th Street	
899	Merrick Boulevard and 108th Avenue	
900	64th Avenue and 188th Street	
901	64th Avenue and 188th Street	
902	Queens Boulevard and 36th Street	
903	Stephen Street and Forest Avenue	
904	64th Avenue and 188th Street	
905	64th Avenue and 188th Street	
906	Astoria Boulevard and 8th Street	
907	25th Avenue and 81st Street	
908	32nd Avenue and 55th Street	
909	Fresh Pond Road and 60th Road	
910	Queens Boulevard E/B S/R and Union Turnpike S/B S/R	
911	38th Avenue and 28th Street	
912	Hillside Avenue and Chelsea Street	
913	21st Street and 40th Avenue	
914	47th Avenue and Bell Boulevard	
915	Metropolitan Avenue and Aubrey Avenue	
916	Rockaway Boulevard and 135th Street	
917	39th Avenue and 52nd Street	
918	31st Avenue and 97th Street	
919	147th Avenue and 184th Street	
920	188th Street and Grand Central Parkway E/B S/R / Mclaughlin Avenue	
921	Northern Boulevard and 220th Place	
922	Castleton Avenue and Brighton Avenue	Staten Island
923	Brielle Avenue and Gansevoort Blvd	
924	Castleton Avenue and Bard Avenue	
925	Eddy Street and Victory Blvd	
926	Howard Avenue and Hillside Avenue	
927	Naples Street and Targee Street	
928	Richmond Terr and Sharpe Avenue	
929	Hill Street and Tompkins Avenue	
930	Clove Lake Place and Clove Road	
931	Victory Blvd and Clove Road	
932	New Dorp Lane between Hylan Boulevard and Mill Road	
933	Vanderbilt Avenue and Targee Street / Hillside Avenue	
934	Forest Avenue and Sanders Street	
935	Hylan Boulevard and Huguenot Avenue	
936	Hylan Boulevard and Wendy Dr	
937	Forest Avenue and Davis Avenue	
938	Hylan Boulevard and Tysens La	

939	Innis Street and Trantor Place
940	Bement Avenue and Forest Avenue
941	Forest Avenue and Bement Avenue
942	South Railroad Avenue and Fremont Avenue
943	North Railroad Avenue and Fremont Avenue
944	Hylan Boulevard and Arbutus Avenue
945	Hylan Boulevard and Page Avenue
946	Hylan Boulevard and Yetman Avenue
947	Woodrow Road and Billings Street
948	Amboy Road and Poillon Avenue
949	Richmond Avenue and Mosely Avenue
950	Hylan Boulevard and Bedford Avenue
951	Hylan Boulevard and West Fingerboard Road
952	Hylan Boulevard and Ebbitts Street / Allison Avenue
953	Bay Street and Townsend Avenue
954	Alaska Street and Richmond Terrace
955	Forest Avenue and North Mada Avenue