

FreedomTicket

A Southeast Queens Proof of Concept



Phase 1: Atlantic Branch Analysis

January 2017

What is Freedom Ticket ?

↓ Railroad Fare + Free Transfer = ***Freedom Ticket***

Rider Savings

	LIRR + NYCT	Freedom Ticket with Transfer	Amount Saved using F.T. vs. LIRR + NYCT
One-way	\$12.75	\$6.50	49%
Weekly	\$100.75	\$57.25	43%
Monthly	\$334.50	\$215.00	36%

Freedom Ticket Roll-out

Phase 1: Southeast Queens & Brooklyn 2017

Phase 2: Expansion to underserved areas

Phase 3: Integration with ESA Planning

Phase 1: Atlantic Branch Analysis

- Branches that **currently serve** SE Queens
- Trains **0-25% empty are excluded** from the analysis
- Trains **traveling the farthest are excluded** from the analysis

Rosedale to Fulton Center

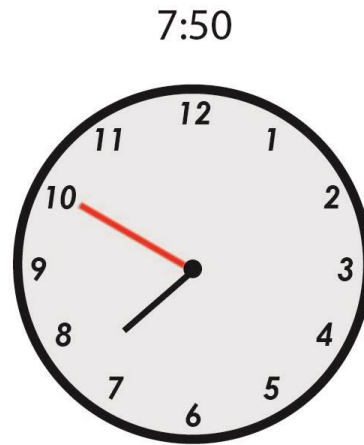
Required departure times from Rosedale, Queens to arrive at Fulton Center by 9:00 AM



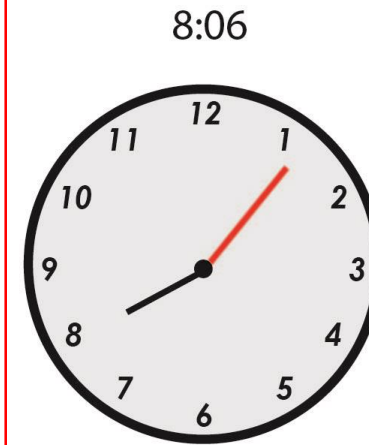
Local bus + subway
\$116.50



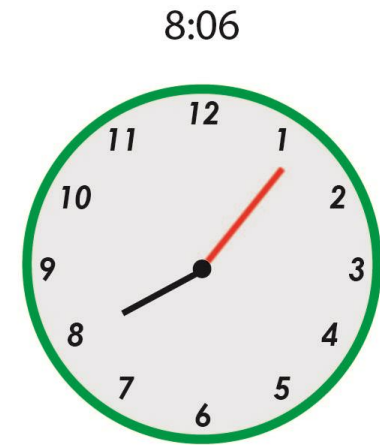
Express Bus + subway
\$229



Commuter van + subway
\$204.50



LIRR + subway
\$334.50



LIRR + subway
Freedom Ticket
\$215

Current Service: Atlantic Terminal and Penn Station Trains

Rosedale • Laurelton • Locust Manor (Far Rockaway and Long Beach branches)

AM Peak

46% Empty
3,390 seats

PM Peak

37% Empty
3,356 seats



AM Train Schedule with Headways

Train #	Branch	Rosedale	Headway	Laurelton	Headway	Locust Manor	Headway
2807	Far Rockaway	5:46		5:49		5:51	
809	Long Beach	6:33	0:47	6:36	0:47	6:38	0:47
2811	Far Rockaway	6:53	0:20				
2813*	Far Rockaway	7:04	0:11	7:07	0:31	7:09	0:31
2815*	Far Rockaway	7:32	0:28	7:35	0:28	7:37	0:28
2817	Far Rockaway					7:46	0:09
2819*	Far Rockaway	8:06	0:34	8:09	0:34	8:11	0:25
821	Long Beach	8:19	0:13	8:22	0:13	8:24	0:13
2825*	Far Rockaway	8:45	0:26	8:48	0:26	8:50	0:26
829*	Long Beach	9:21	0:36	9:24	0:36	9:26	0:36
		Median Headway	0:27		0:31		0:27

* Requires transfer at Jamaica

Trains at Capacity Eliminated (0-25% empty)

Long Beach Train #807
 Long Beach Train # 813
 Long Beach Train #817

PM Train Schedule with Headways

Train #	Branch	Locust Manor	Headway	Laurelton	Headway	Rosedale	Headway
2862	Far Rockaway	4:57		4:59		5:02	
866*	Long Beach	5:06	0:09	5:08	0:09	5:11	0:09
868*	Long Beach					5:29	0:18
2866	Far Rockaway	5:37	0:31	5:39	0:31	5:42	0:13
872*	Long Beach	5:49	0:12	5:51	0:12	5:54	0:12
874	Long Beach					6:07	0:13
2870	Far Rockaway	6:15	0:26	6:17	0:26	6:20	0:13
2874	Far Rockaway	6:54	0:39	6:56	0:39	6:59	0:39
880	Long Beach	7:08	0:14	7:10	0:14	7:13	0:14
882	Long Beach	7:32	0:24	7:34	0:24	7:37	0:24
2878	Far Rockaway	8:22	0:50	8:24	0:50	8:27	0:50
		Median Headway	0:25		0:25		0:13

Trains at Capacity Eliminated (0-25% empty)

Far Rockaway Train #2872

Babylon Train #1066

Babylon Train # 168

Babylon Train # 170

* Requires transfer at Jamaica

Current Service: Atlantic Terminal and Penn Station Trains

St. Albans (Babylon and West Hempstead branches)

AM Peak

48% Empty
1,826 seats

PM Peak (Babylon Only)

50% Empty
1,478 seats



AM Train Schedule with Headways

Train #	Branch	St. Albans	Headway
903	West Hempstead	7:13	
905	West Hempstead	7:36	0:23
907*	West Hempstead	7:57	0:21
909	West Hempstead	8:48	0:51
53*	Babylon	9:22	0:34
		Median Headway	0:28

* Requires transfer at Jamaica

Trains at Capacity Eliminated (0-25% empty)

Babylon Train #15

Babylon Train #1003

PM Train Schedule with Headways

Train #	Branch	St. Albans	Headway
146	Babylon	5:04	
150	Babylon	5:22	0:18
154	Babylon	5:50	0:28
162	Babylon	6:33	0:43
174*	Babylon	8:07	1:34
		Median Headway	0:35

* Requires transfer at Jamaica

Trains at Capacity Eliminated (0-25% empty)

Babylon Train #168

Babylon Train #170

Babylon Train #1066

Current Service: Atlantic Terminal Trains

Rosedale • Laurelton • Locust Manor (Far Rockaway and Long Beach branches)

AM Peak

43% Empty
1,472 seats

PM Peak

32% Empty
1,926 seats



AM Train Schedule with Headways

Train #	Branch	Rosedale	Headway	Laurelton	Headway	Locust Manor	Headway
2807	Far Rockaway	5:46		5:49		5:51	
809	Long Beach	6:33	0:47	6:36	0:47	6:38	0:47
2811	Far Rockaway	6:53	0:20				
2817	Far Rockaway					7:46	1:08
821	Long Beach	8:19	1:26	8:22	1:46	8:24	0:38
		Median Headway	0:47		1:16		0:47

Trains at Capacity Eliminated (0-25% empty)

Long Beach Train #813

PM Train Schedule with Headways

Train #	Branch	Locust Manor	Headway	Laurelton	Headway	Rosedale	Headway
2862	Far Rockaway	4:57		4:59		5:02	
2866	Far Rockaway	5:37	0:40	5:39	0:40	5:42	0:40
874	Long Beach					6:07	0:25
2870	Far Rockaway	6:15	0:38	6:17	0:38	6:20	0:13
2874	Far Rockaway	6:54	0:39	6:56	0:39	6:59	0:39
880	Long Beach	7:08	0:14	7:10	0:14	7:13	0:14
882	Long Beach	7:32	0:24	7:34	0:24	7:37	0:24
2878	Far Rockaway	8:22	0:50	8:24	0:50	8:27	0:50
		Median Headway	0:38		0:38		0:25

Current Service: Atlantic Terminal Trains

St. Albans (Babylon and West Hempstead branches)

AM Peak (West Hempstead)

53% Empty
1,018 seats

PM Peak (Babylon)

40% Empty
1,198 seats



AM Train Schedule with Headways

Train #	Branch	St. Albans	Headway
903	West Hempstead	7:13	
905	West Hempstead	7:36	0:23
909	West Hempstead	8:48	1:12
		Median Headway	0:47

Trains at Capacity Eliminated (0-25% empty)

Babylon Train #15

PM Train Schedule with Headways

Train #	Branch	St. Albans	Headway
146	Babylon	5:04	
150	Babylon	5:22	0:18
154	Babylon	5:50	0:28
162	Babylon	6:33	0:43
		Median Headway	0:28

Current Service Between Atlantic Terminal And Jamaica

East New York • Nostrand (Babylon, Far Rockaway, Hempstead, Huntington, Long Beach, Ronkonkoma, and West Hempstead branches)

AM Peak

50% Empty
9,042 seats

PM Peak

59% Empty
11,138 seats



AM Train Schedule with Headways

Train #	Branch	East NY	Headway	Nostrand	Headway
2807	Far Rockaway	6:07		6:12	
15	Babylon	6:21	0:14	6:26	0:14
711	Hempstead	6:37	0:16	6:42	0:16
799	Hempstead	6:58	0:21	7:03	0:21
2811	Far Rockaway	7:13	0:15	7:18	0:15
1619	Huntington	7:26	0:13		
903	West Hempstead	7:32	0:06	7:37	0:19
33	Babylon	7:49	0:17	7:54	0:17
905	West Hempstead			7:58	0:04
2817	Far Rockaway	8:01	0:12	8:06	0:08
2019	Ronkonkoma	8:04	0:03	8:09	0:03
1625	Huntington	8:11	0:07		
39	Babylon	8:31	0:20	8:36	0:27
821	Long Beach	8:40	0:09	8:45	0:09
2031	Ronkonkoma	8:50	0:10	8:55	0:10
909	West Hempstead	9:06	0:16	9:11	0:16
727	Hempstead	9:24	0:18	9:31	0:20
2827	Far Rockaway	9:38	0:14		
729	Hempstead	9:45	0:07	9:50	0:19
		Median Headway	0:14		0:16

Trains at Capacity Eliminated (0-25% empty)

Long Beach Train #813

Trains Not Stopping at Nostrand and East NY

#27, 721, 725, 809, 827, 1011

PM Train Schedule with Headways

Train #	Branch	Nostrand	Headway	East NY	Headway
142	Babylon	4:22		4:27	
956	West Hempstead			4:31	0:04
2862	Far Rockaway	4:37	0:15	4:42	0:11
2096	Ronkonkoma			4:44	0:02
146	Babylon	4:45	0:08	4:50	0:06
150	Babylon	5:02	0:17		
958	West Hempstead			5:18	0:28
2866	Far Rockaway	5:17	0:15	5:22	0:04
154	Babylon	5:29	0:12	5:34	0:12
960	West Hempstead	5:41	0:12	5:46	0:12
874	Long Beach			5:50	0:04
2870	Far Rockaway	5:55	0:14	6:00	0:10
2076	Ronkonkoma	6:10	0:15	6:15	0:15
962	West Hempstead	6:24	0:14	6:29	0:14
2874	Far Rockaway	6:33	0:09	6:38	0:09
880	Long Beach	6:48	0:15	6:53	0:15
2876	Far Rockaway	7:05	0:17		
882	Long Beach	7:12	0:07	7:17	0:24
966	West Hempstead	7:29	0:17	7:34	0:17
776	Hempstead	7:41	0:12	7:47	0:13
2878	Far Rockaway	8:02	0:21		
		Median Headway	0:14		0:12

Trains Not Stopping at Nostrand and East NY

#158, 162, 764, 770, 1728

SE Queens AM Travel Times to Downtown Brooklyn

Rosedale



Laurelton



Locust Manor



St. Albans



Freedom Ticket Benefits

- 1.Reduces travel times and travel expenses
- 2.Supports working-class families
- 3.Increases access to labor markets
- 4.Supports longer-term economic growth
- 5.Enables effective MTA asset use: fills empty LIRR seats