The Physical Diagram

Reference Edition

Version 0.92 Beta

Map Key

Construction-era color coding for the Subways.io diagram

The map highlights the system's key grade elements, identifying all grades steeper than 3.5%, with the exception of river crossing, where both grade and tunnel depth are shown. A color scale is used for clarity: green represents grades of 3.1% or less, gradually shifting to red for grades exceeding 5.0%.

Listed Chain zero · Line Designation — Division · Chainzero · Station Type · Year section opened · Section Designation · Line Designation · Active CBTC / System Type · Route Designation

Former line & Stations · Chain Zero Point · 99th Street Yard & Shop (Opened 1878, closed 1951) · Station Setup · Section break · Distance from Chainzero in marker

Bridge · Tunnel · 3.1% · 3.6% · 4.0% · 5.0%

Line L (Div A) · 36th & Park · 96 St U2 · 86 St U2/D2 · Line B (Div B2) · Ex Line C (Div B1)

Some lines have been converted pr rechained; where historical information is available, it is shown in red.

Information boxes are indicated by a yellow "(!)". These provide additional context and background about a specific section or area.

The Astoria Line was originally contracted to the IRT, with BRT/BMT trackage rights in affect from 1923 to 1940. Joint service continued after Unification until 1949, after which the line became exclusively B Division service. Although the Flushing Line uses A Division service, it is managed under Division B for maintenance district purposes and under Division B1 for communications. See database for additional line notes.

Era Map Key

Construction-era color coding for the Subways.io diagram

A Division A - IRT

Era	Color	Lines
Contract 1		*Lines B, BB, F, MM*
Contract 2		*Lines E, M, MV*
Triboro		*Lines A*, L*
Dual Contract		*Lines C*, D, E, J, K, P, V, W*
BOT		*Line C*
TA / MTA		*Lines CC*, F, VA*

B1 Division B1 - BMT

Era	Color	Lines
Steam Rebuilds		*Lines J, M*
BRT 03		*Lines A, E, O*
Triboro		*Lines A, B, J, H, F, G, Q*
Dual Contract		*Lines B, D, C, D, E, F, J, K*
BOT / TA		*Lines Q, R, GD*
MTA		*Line J*

B2 Division B2 - IND

Era	Color	Lines
BOT		*Lines A, B, C, D, E, Y**
TA		*Lines B, BJ, F, FA, GD, T*
MTA		*Lines DA, S, T*
Future		*Line S*

Other

Era	Color	Lines
Other		*Converted from Rail*

Line Chain Key

All active line chains across Division A (IRT), Division B1 (BMT), and Division B2 (IND) with chain zero reference and physical limits as documented in NYCT engineering records.
Chain notation: 1+00 = 100 ft from chain zero. Markers measured from the north end of each station.

A Division A - IRT

Active Chains: 20

Chain	Line	Chain Zero	Limits
B	Broadway	Brooklyn Bridge	*97th & Broadway to 45th & Broadway*
BB	Upper Broadway	97th & Broadway	*242nd Street to 97th & Broadway*
C	Corona-Flushing	Times Square	*Times Square to Flushing Main Street*
CC	*Hudson Yards/Times Sq*	*Times Square*	*26th Street-11th Avenue to Times Square*
D	Nostrand	Ann Street	*Rogers Junction to Flatbush Ave*
E	Brooklyn Eastern Pkwy	Ann Street	*Borough Hall to Livonia Yard*
F	West Farms	97th & Broadway	*Old 177th yard limits to 97th & Broadway / 148th St Yard*
J	Jerome	38th & Park	*Woodlawn to 131st-Lexington*
K	Clark	44th & Broadway	*Chambers Street to Borough Hall*
L	Lexington	38th & Park	*130th Lexington to 38th & Park*
M	Lwr Man./City Hall Lp/BB	Ann Street	*Brooklyn Bridge to Ann Street or loop*
M	Lower Manh.-Joralemon	Ann Street	*Brooklyn Bridge to Ann St / Ann St to Borough Hall*
MM	Manhattan Mainline	Brooklyn Bridge	*Brooklyn Bridge to 42nd Broadway*
MV	South Ferry Loop	Bridge Street	*Bridge Street to Bridge Street via loop*
P	Pelham	38th & Park	*Pelham Bay Park to 126th Lexington*
R	162nd	Harlem River	*Putnam Bridge to 167th Street / Line J (inactive)*
V	Varick-7th	44th & Broadway	*44th & Broadway to State Street*
VA	New South Ferry	44th & Broadway	*Battery Place to New South Ferry*
W	White Plains	97th & Broadway	*177th Yard limits to 241st & 239th Yard*
Y	Dyre	97th & Broadway	*180th Street to City Line*

Historical Chains A Division - IRT

Inactive Chains: 11 - *Chains no longer active in original form. *=rechained, not closed.*

Chain	Line	Years	Notes
A	*Astoria*	*1917-1949**	*Rechained - now Division B1 Line G*
G	*Bergen*	*1916-1950*	*IRT Line T at 143rd to Brook Junction Line F*
H	*Webster*	*1920-1955*	*Fordham Junction to 216th Street Junction*
N	*Ninth*	*1868-1958*	*South Ferry to 159th Yard / Putnam Bridge*
Q	*Queensboro Bridge*	*1917-1942*	*50th Street Junction to Queensboro Plaza*
R	*162nd*	*1918-1958*	*157th & 8th to River & 156th, Line J*
S	*Second*	*1880-1942*	*Chatham Square to 129th & 2nd Ave*
T	*Third*	*1878-1973*	*South Ferry to Bronx Park, 216th Street Junction after 1955*
Y	*Queensboro Subway*	*1915-1949**	*Rechained - now IRT Line C (Flushing)*
Z	*Sixth*	*1878-1938*	*Rector to 58th Street / 53rd post 1924*
ZA	*53rd Street*	*1883-1938*	*53rd & 6th Ave to 53rd Junction, Line N*

B1 Division B1 - BMT

Active Chains: 16

Broadway, Nassau, and all South Brooklyn lines chain zero from 57th & 7th. Centre-Jamaica and Manhattan Bridge South chain from Chambers Street. Myrtle and Franklin remain linked to Park Row.

Chain	Line	Chain Zero	Limits
A	Broadway Brighton	57th & 7th	*BMT G 58th & 7th to Stillwell Ave*
B	Lower Broadway	57th & 7th	*Canal upper to south of DeKalb Ave*
C	Culver	57th & 7th	*9th Ave lower*
D	West End	57th & 7th	*BMT F 36th Street ramp to Stillwell Ave*
E	Sea Beach	57th & 7th	*BMT F 59th Street to Stillwell Ave*
F	Fourth Ave	57th & 7th	*Gold Street gap to 95th Street*
G	Astoria-60th	57th & 7th	*58th & 7th to 63rd & 3rd or Ditmars Blvd*
GD	11th Street Cut	57th & 7th	*BMT G 60th Street tubes to IND D Queens Plaza*
H	Manhattan Bridge South	Chambers	*BMT A Canal lower to Gold Street gap*
HJ	Centre-Bridge South	Chambers	*Chambers Street to BMT H Manhattan Bridge*
J	Centre-Jamaica	Chambers	*Chambers Street to Parsons-Archer*
K	Fulton / Liberty	Park Row	*See Division B2*
M	Myrtle	Park Row	*Myrtle North*
O	Franklin-Brighton	Park Row	*North of Prospect Park to Fulton Street*
P	Linden Yard	Pitkin Ave	Livonia Avenue to Linden Yard
Q	14th St-Canarsie	8th Ave	*8th Ave to Rockaway Parkway*
R	Nassau	57th & 7th	*Chambers Street to Montague Tubes*

Historical Chains B1 Division - BMT

Inactive Chains: 6 - *Chains no longer active in original form.*

Chain	Line	Years	Notes
C	Culver	1916-1954	*9th Ave lower to West 8th Junction IND - now BMT C*
K	Fulton	1888-1956	*Fulton Ferry to Lefferts Blvd - transferred to IND*
L	Lexington	1885-1950	*BMT M Grand Street Junction to Broadway BMT J*
M	Myrtle	1888-1969	*Park Row to Metropolitan Ave - still active North of Broadway*
N	Fifth Ave	1888-1940	*BMT M Hudson Junction to 65th ramp*
P	Canarsie	1906-2001	*Broadway Junction to Canarsie Pier, rechained as BMT Line Q to Rockaway Parkway*

B2 Division B2 - IND

Active Chains: 14

All IND chains share a system zero in New York Bay. West 4th Street sits at marker 969+25 and is used as the practical reference point. Rockaway and Far Rockaway chains zero from Long Island City.

Chain	Line	Chain Zero	Limits
A	CPW-8th Ave-Fulton	IND	*207th Street to Pitkin Yard*
B	6th Ave-Culver	IND	*IND A south of Columbus Circle to West 8th Street BMT A*
B	Chrystie	IND	*Manhattan Bridge North approach via Grand Street*
BJ	Chrystie Cut	IND	*IND B Broklyn-Lafayette to Essex BMT J*
C	Concourse	IND	*Webster Ave to 141st Street IND A*
D	Queens Blvd	IND	*184th St Hillside to 40th Street - 8th Ave IND A*
DA	Archer Ave	IND	*IND D east of Briarwood to South Road*
E	Crosstown	IND	*IND D north of Court Square to north of Bergen St IND B*
F	Rockaway	Long Island City	*IND K Liberty-Junction to Rockaway Park*
FA	Far Rockaway	Long Island City	*IND F Hammels Wye to Mott Ave Far Rockaway*
K	*Liberty*	*Park Row*	*IND A south of Grant Avenue to Lefferts Boulevard*
			Note: Former BMT Line K
S	*Second Ave*	*IND*	*BMT G 63rd & 3rd to 105th & 2nd Ave*
T	*63rd Street*	*IND*	*IND D 36th Junction to 58th & 6th Ave IND B*
Y	*Dyre (ex Div B2)*	*Harlem River*	*City Line to 174th St Junction - transferred to Division A 1957*

Construction Route Index

All 69 construction routes across Division A (IRT), Division B1 (BMT), and Division B2 (IND), listed in route number order. Routes are the physical corridors built under specific contracts or designations - They cut across chain boundaries and reflect the original construction phasing of the network.

A route is not the same as a train service or a line chain. Route=construction corridor. Line=measured engineering segment. Service=public train designation.

Routes

Route	Year	Div	Chains	Stn	Description
Contract 1	1904-1907	A	M, MM, B, BB, F	54	*Original IRT - Manhattan mainline, Broadway line to 96th St, and first Bronx elevated lines on West Farms and Upper Broadway chains.*
Contract 2	1905-1908	A	MV, M, E	8	*South Ferry Loop, downtown Lexington extension, and Brooklyn Eastern Parkway approach (Borough Hall to Atlantic Ave).*
Route 4/38	1917-1918	A	V	13	*7th Ave Varick Street line - 42nd St Times Square south to Rector Street.*
Route 4/36	1917-1920	B1	A, G	7	*Broadway Line Midtown Lexington Ave to 23rd Street. Dual Contracts.*
Route 5	1917-1918	A	J, L, P	13	*Triboro contract - IRT Bronx extensions across Jerome Ave (J), Lexington Ave (L), and Pelham (P).*
Route 5	1917-1920	B1	A, B	7	*Triboro contract - BMT downtown Manhattan across Broadway and Lower Broadway chains.*
Route 8	1924-1928	B1	Q	16	*14th St-Canarsie line - Manhattan and Brooklyn sections from 8th Ave east through East New York.*
Route 9	1908-1913	B1	J	4	*Jamaica line lower Manhattan - Delancey-Essex, Bowery, Canal, Chambers Street.*
Route 11A	1915	B1	F	6	*Fourth Ave line northern sections - Atlantic Ave though 36th Street.*
Route 11B	1915-1925	B1	F	7	*Fourth Ave line southern sections - 45th Street through 95th Street.*
Route 12	1920	A	E	7	*Eastern Parkway extension - Bergen Street through Crown Heights to Utica Ave.*
Route 12	1920	B1	A	2	*Brighton Line approach - Atlantic Ave and 7th Ave.*
Route 14	1907-1908	A	BB	3	*Upper Broadway reroute and extension from Bailey Avenue to 242nd Street-Van Cortlandt Park*
Route 16	1917-1918	A	J	12	*Jerome Ave line - Woodlawn south to 161st Street.*
Route 18	1917-1920	A	W	11	*White Plains Road line - 241st-Wakefield south to 180th-Morris Park.*
Route 19	1919-1920	A	P	14	*Pelham line main body - Westchester Square through the South Bronx to 149th Street.*
Route 20	1917	B1	H	1	*Canal Street on the Manhattan Bridge South approach. Dual Contracts.*
Route 22	1920	A	P	3	*Pelham Bay Park extension - Pelham Bay Park, Buhre Ave, Middletown Road.*
Route 26	1907/1915	A	C	1	*Vernon-Jackson Ave - earliest Queens IRT station.*
Route 27	1918	A	JA	0	*Lexington - West Farms connection, added after the Dual Contracts northern Route 5 switchover between BRT and IRT operations.*
Route 29	1920	A	D	7	*Nostrand Ave line - President Street to Flatbush Ave.*
Route 31	1920	A	E	7	*Eastern Parkway elevated extension - Sutter Ave to New Lots Ave.*
Route 33	1919-1924	A	K	1	*Borough Hall North Brooklyn IRT Clark Street Connector.*
Route 33	1920	B1	B	3	*Lower Broadway southern extension - Whitehall Street, Court Street, Jay Street.*
Route 35/37	1925-1927	A	C	3	*Western Flushing - Grand Central, 5th Ave, Times Square. Opened in stages 1907-1927*
Route 36/37	1917	A	C	12	*Flushing line Queens body - Queensboro Plaza east to 103rd Street.*
Route 36/37	1926	B1	G	7	*Astoria line - Queensboro Plaza through Ditmars Blvd.*
Route 39	1916-1917	B1	D	12	*West End line - 9th Ave through Bay 50th Street.*
Route 43	1918	A	L	1	*42nd-Grand Central on the Lexington Ave line.*
Route 48	1918-1919	A	K	4	*Clark Street line - Park Place, Fulton, Wall Street, Clark Street.*
Route 49	1919-1920	B2	B	10	*Culver line southern sections - Ditmas Ave to Neptune Ave. Originally BMT, integrated into IND 6th Ave line.*
Route 50	1916	A	C	2	*Court Square and Hunters Point Ave - original western Flushing stations.*
Route 52	1925-1928	A	C	3	*Flushing Main Street extension - Flushing Main Street, Willets Point, 111th Street.*
Route 78	1932	B2	A	15	*8th Ave line upper Manhattan - 190th Street to 72nd Street. IND.*
Route 101	1932-1940	B2	A, B	14	*6th Avenue trunk - from West 4th Street south through Lower Manhattan and into Brooklyn.*
Route 101F	1968	B2	B	1	*57th Street on the 6th Ave line - late infill above the original 6th Ave right-of-way.*
Route 102	1932	B2	A, D	7	*8th Ave line midtown - 14th Street to 59th Street-Columbus Circle, plus 50th Street Lower Level.*
Route 103	1936	B2	B	4	*6th Ave line East Village / Lower East Side - Broadway-Lafayette, Delancey-Essex, East Broadway, York Street.*
Route 104	1933	B2	D	3	*Queens Blvd Midtown - Lexington-53rd, 5th Ave, 7th Ave.*
Route 105	1932	B2	A	2	*8th Ave line northern tip - 207th Street and Dyckman Street.*
Route 106	1933	B2	C	12	*Concourse line - 205th Street Norwood south to 145th Street. All 12 stations.*
Route 107	1933	B2	A, D, E	16	*Multi-chain Fulton St / Crosstown corridor - Hoyt-Schermerhorn (A), 23rd-Court Square (D), full Crosstown Line (E).*
Route 108	1933	B2	D	18	*Queens Blvd main body - Jamaica 179th Street west to Queens Plaza. Largest single route in Division B2.*
Route 109	1933	B2	A, B	10	*Smith-9th Streets corridor - Jay Street and Carroll Street through Church Ave.*
Route 110	1936-1948	B2	A, K	14	*Fulton Street line - Lafayette Ave east to Euclid Ave, plus Grant Ave on the Liberty-Fulton chain.*
Route 112	1968	B2	B	1	*Grand Street on the 6th Ave line.*
Route 119G	1882	B2	F, FA	17	*Rockaway lines - originally Long Island Rail Road (1882), converted to rapid transit 1956.*
Route 124	1912	A	Y	5	*Dyre Ave line - originally NYW&B Railway (1912), converted and reopened as IRT 1941.*
Route 131A	1989	B1	G	1	*63rd Street connector from Broadway to Second Ave.*
Route 131A	1989	B2	T	3	*63rd St-Lexington line - 21st St Queensbridge, Roosevelt Island, 63rd St-Lexington.*
Route 131D	1988	B1	J	2	*Jamaica line Archer Ave stations - Parsons-Archer and Sutphin Blvd.*
Route 131D	1988	B2	DA	2	*Archer Ave line - Parsons-Archer and Sutphin Blvd. IND.*
Route 132A	1978-being rebuilt	B2	S	1	*116th Street on the Second Ave line - under construction, Phase 2.*
7LEX	2015	A	CC	1	*34th Street-Hudson Yards - 7 train extension, MTA Capital project.*
BGS	1878	B1	A	10	*Brighton Line southern stations - Beverley Road to Sheepshead Bay. Originally Brooklyn, Flatbush and Coney Island Railway.*
BRT GS	1906	B1	Q	4	*Canarsie Line Brooklyn southern sections - Sutter Ave, Livonia Ave, New Lots Ave, East 105th Street*
M4	1878/1920	B1	A	3	*Brighton Line Stations Prospect Park through Church Ave - originally Steam converted 1905 and again in 1918-1920*
M6	1889/1914	B1	M	4	*Myrtle from Broadway to Wyckoff.*
M8	1915	B1	E	9	*Sea Beach line - 8th Ave to 86th Street originally Steam Converted 1913-15.*
M9	1916-1920	B1	A, D, E	5	*Brighton, West End, and Sea Beach Stillwell Ave terminals - originally Brooklyn, Bath and Coney Island Railroad (1864)*
M21	1888/1916	B1	J	6	*Jamaica line elevated body - Lexington through Marcy Avenue, originally part of the Brooklyn Elevated Railroad, opened in 1885.*
M23	1885/1919	B1	J, Q	6	*Eastern elevated sections around the Broadway Junction area, originally part of the Brooklyn Elevated Railroad opened in 1885.*
M24	1915	B2	K	6	*Liberty Ave opened as an eastern Extension of the Fulton Street elevated, later annexed by the IND and tied into the Fulton St Subway.*
M25	1917-1918	B1	J	7	*Jamaica line Queens body - Cypress Hills to 121st Street.*
MBX	1915	B1	A	1	*Myrtle Ave/Gold Street Junction - Manhattan Bridge crossing, and connection to Route 11.*
SAS 1	2017	B2	S	3	*Second Ave Subway Phase 1 - 96th Street, 86th Street, 72nd Street.*
SAS 2	(u/c)	B2	S	2	*Second Ave Subway Phase 2 - 106th Street, 116th Street, 125th St-Lexington Ave. Under construction.*
SFM	2009	A	VA	1	*South Ferry new station - MTA Capital project, opened 2009, restored 2017.*
TA / MTA	1968	A	F	1	*148th Street-Lenox Terminal: infill station added 1968 on the West Farms Line.*
UER	1885	B1	J	5	*Jamaica line earliest elevated sections - Crescent Street through Alabama Ave, originally Union Elevated Railroad.*

Notes

Route designations follow NYCT construction documentation. M-prefix routes including M4, M8, M21, M23, M24, and M25, along with BGS, BRT, MBX, and UER) represent elevated predecessor-company designations, certificate construction projects, and rebuild projects.

Where the same route number appears across multiple divisions, such as Route 5, Route 12, Route 33, Route 36/37, and Route 131D, the route generally reflects a shared contract corridor built or operated through different predecessor-company contexts.

Station counts reflect the companion database as of April 2026.

Lower Manhattan Inset



Lower Manhattan Inset Below

New Jersey

Scan for digital database

Explore the companion database: map.subs.nyc

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