

**Metadata format: ISO 19139****LIRR Routes, New York NY, January 2017****ISO 19139 metadata content**

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**Resource Identification Information**

## CITATION

TITLE LIRR Routes, New York NY, January 2017

PUBLICATION DATE 2017-01-31

EDITION jan2017

PRESENTATION FORMAT mapDigital

## SERIES

NAME NYC Mass Transit Spatial Layers

## RESPONSIBLE PARTY - POINTOFCONTACT

ORGANIZATION'S NAME Newman Library, Baruch CUNY

CONTACT'S POSITION Geospatial Data Librarian

## CONTACT INFORMATION

## ADDRESS

DELIVERY POINT Newman Library, Baruch CUNY

DELIVERY POINT 151 E 25th St Box H-0520

CITY New York

ADMINISTRATIVE AREA NY

POSTAL CODE 10010

COUNTRY UNITED STATES

THEMES OR CATEGORIES OF THE RESOURCE structure, transportation

## PLACE KEYWORDS

KEYWORDS City of New York, 2395220, Borough of Brooklyn, 978759, Borough of Manhattan, 979190, Borough of Queens, 979404, Long Island, 977426

## THESAURUS

TITLE Geographic Names Information Service (GNIS)

ALTERNATE TITLES ANSI INCITTS 446:2008

PUBLICATION DATE 2008-01-01

## PLACE KEYWORDS

KEYWORDS Kings County, 36047, Nassau County, 36059 New York County, 36061, Queens County, 36081, Suffolk County, 36103

## THESAURUS

TITLE US Census ANSI/FIPS

ALTERNATE TITLES ANSI INCITTS 38:2009 (Formerly FIPS 5-2) &amp; ANSI INCITTS 31:2009 (Formerly FIPS 6-4)

PUBLICATION DATE 2009-01-01

## TEMPORAL KEYWORDS

KEYWORDS 2017

## THEME KEYWORDS

KEYWORDS Railroad, Local transit, Commuting, New York City Transit Authority, Transportation, Long Island Rail Road

## THESAURUS

TITLE Library of Congress Subject Headings (LCSH)

PUBLICATION DATE 2015-02-17

## DESCRIPTIVE KEYWORDS

KEYWORDS Downloadable Data

THESAURUS ArcIMS Metadata Service Content Types

## ABSTRACT

This line layer was created from the GTFS data feeds from the Metropolitan Transportation Authority (MTA) to represent the MTA Long Island Rail Road (LIRR) routes. A python script was written to take the data files as input , process them and save them as a spatial layer in the local state plane coordinate reference system. Lines in this layer represent individual train routes that follow physical track locations; they were generalized from the GTFS format where lines depicted individual train services. The unique ID is route\_id, a field created by the MTA. This layer was created as part of the NYC Mass Transit Spatial Layers series, and is updated biannually to account for changes in the transit system.

## PURPOSE

This dataset is intended for researchers, policy makers, students, and educators for basic geographic analysis and mapping purposes. It was created by the GIS Lab at the Newman Library at Baruch College CUNY as part of the NYC Mass Transit Spatial Layers series, so that members of the public could have access to well-documented and readily-usable GIS layers of NYC mass transit features.

DATASET LANGUAGE English

DATASET CHARACTER SET utf8

STATUS completed

## MAINTENANCE

UPDATE FREQUENCY biannually

## RESOURCE CONSTRAINTS

## CONSTRAINTS

## LIMITATIONS OF USE

Disclaimer: Every effort was made to insure that the data, which was compiled from public sources, was processed accurately. The creator, Baruch College, and CUNY disclaim any liability for errors, inaccuracies, or omissions that may be contained therein or for any damages that may arise from the foregoing. Users should independently verify the accuracy of the data for their purposes. The data is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International license CC BY-NC-ND <http://creativecommons.org/licenses/by-nc-nd/4.0/> You are free to share the work as long as you cite the source, do not use it for commercial purposes, and do not distribute derivatives of the data. Although this data is being

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## RESOURCE CONSTRAINTS

## LEGAL CONSTRAINTS

ACCESS CONSTRAINTS licenseUnrestricted

USE CONSTRAINTS license

SPATIAL REPRESENTATION TYPE vector

PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.3.1.4959

## EXTENT

## EXTENT DESCRIPTION

New York Metropolitan Area

## GEOGRAPHIC EXTENT

## BOUNDING RECTANGLE

EXTENT CONTAINS THE RESOURCE true

WEST LONGITUDE -73.993104

EAST LONGITUDE -71.952701

NORTH LATITUDE 41.111218

SOUTH LATITUDE 40.572712

## TEMPORAL EXTENT

BEGINNING DATE 2017-01-09 00:00:00

ENDING DATE

INDETERMINATE TIME unknown

## EXTENT

## GEOGRAPHIC EXTENT

## BOUNDING RECTANGLE

EXTENT CONTAINS THE RESOURCE true

WEST LONGITUDE -73.993104

EAST LONGITUDE -71.952701

NORTH LATITUDE 41.111218

SOUTH LATITUDE 40.572712

## POINT OF CONTACT - POINTOFCONTACT

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CONTACT'S POSITION Geospatial Data Librarian

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## Spatial Representation - Vector

LEVEL OF TOPOLOGY FOR THIS DATASET geometryOnly  
GEOMETRIC OBJECTS  
OBJECT TYPE composite  
OBJECT COUNT 12

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## Reference System Information

REFERENCE SYSTEM IDENTIFIER  
VALUE 2263

CODESPACE EPSG  
VERSION 10.2

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## Data Quality Information

SCOPE OF QUALITY INFORMATION  
RESOURCE LEVEL dataset

### LINEAGE

#### LINEAGE STATEMENT

This line layer was created using the data feeds from the Metropolitan Transportation Authority (MTA). The MTA provides text files that contain route information in a General Transit Feed Specification (GTFS) format, and are geographically referenced so they are able to be plotted. Python scripts were written to take the text files as input, process them and save them as a spatial layer. The text file used for line geometry creation is 'shapes.txt' and it provides geographically referenced data for the routes in the form of points. The script creates geometry object out of the individual points provided for the route, and then creates a line geometry object out of the points grouped by the common id of the segment that they belong to. Then it joins created geometry object with data from text files, 'trips.txt' and 'routes.txt', which contain additional relevant information provided by the MTA. Based on common attribute, individual rail services for different times and days of the week, are dissolved to create lines that represented an individual route. Attribute columns that were blank, redundant, or that represented information that was only relevant to specific services and not to individual routes were removed. The final layer was reprojected from NAD 83 to NY State Plane Long Island in feet and saved in a shapefile format. The unique ID is route\_id, a field created by the MTA. In January 2017, MTA's GTFS feeds didn't contain the data for the Belmont line. This line was copied from the previous release version (May 2016) and pasted into the January, 2017 version shapefile. This layer was created as part of the NYC Mass Transit Spatial Layers series, and is updated biannually to account for changes in the transit system.

#### SOURCE DATA

LEVEL OF THE SOURCE DATA Metropolitan Transportation Authority

#### SOURCE CITATION

TITLE MTA NYC Transit Shapes, Trips and Routes Files

PUBLICATION DATE 2017-01-09

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## Distribution Information

### DISTRIBUTOR

#### DISTRIBUTOR INFORMATION - POINTOFCONTACT

ORGANIZATION'S NAME Newman Library, Baruch CUNY  
CONTACT'S POSITION Geospatial Data Librarian

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COUNTRY UNITED STATES

### FORMAT

NAME Shapefile

#### VERSION

NIL REASON missing

### TRANSFER OPTIONS

TRANSFER SIZE 0.254

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## Metadata Information

LAST UPDATE 2017-02-10

### MAINTENANCE

UPDATE FREQUENCY biannually

MAINTENANCE NOTES This metadata record was updated by Anastasia Clark in January 2017.

### METADATA CONSTRAINTS

#### CONSTRAINTS

##### LIMITATIONS OF USE

Metadata for this layer is licensed under a Creative Commons Attribution-NonCommercial license CC BY-NC <http://creativecommons.org/licenses/by-nc/4.0/>. You are free to share and to adapt the metadata as long as you cite the source and do not use it for commercial purposes.

### METADATA CONSTRAINTS

#### LEGAL CONSTRAINTS

ACCESS CONSTRAINTS licenseUnrestricted

USE CONSTRAINTS license

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SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

METADATA LANGUAGE English  
METADATA CHARACTER SET utf8

NAME OF THE METADATA STANDARD USED NAP - Metadata  
VERSION OF THE METADATA STANDARD 1.2

METADATA IDENTIFIER 622FB901-33E2-4F98-BB5B-D5FBE14B4063  
URI OF THE DATA DESCRIBED BY THE METADATA  
<https://www.baruch.cuny.edu/confluence/display/geoportal/NYC+Mass+Transit+Spatial+Layers>

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