

Metadata format: ISO 19139**Metro-North Bronx Shuttle Bus Stops, New York NY, January 2017****ISO 19139 metadata content**

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Resource Identification Information

CITATION

TITLE Metro-North Bronx Shuttle Bus Stops, 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 151 E 25th St Box H-0520

DELIVERY POINT Newman Library, Baruch CUNY

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 Bronx, 978756

THESAURUS

TITLE Geographic Names Information Service (GNIS)

ALTERNATE TITLES ANSI INCITTS 446:2008

PUBLICATION DATE 2008-01-01

PLACE KEYWORDS

KEYWORDS Bronx County, 36005

THESAURUS

TITLE US Census ANSI/FIPS
ALTERNATE TITLES ANSI INCITTS 38:2009 (Formerly FIPS 5-2) & ANSI INCITTS 31:2009
(Formerly FIPS 6-4)

PUBLICATION DATE 2009-01-01

TEMPORAL KEYWORDS

KEYWORDS 2017

THEME KEYWORDS

KEYWORDS Buses, Bus stops, Railroad, Metro-North Railroad, Railroad stations, Local transit, Commuting, New York City Transit Authority, Transportation

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 point layer was created from the GTFS data feeds from the Metropolitan Transportation Authority (MTA). It represents the bus stop locations for the Hudson Rail Link, which is a weekday shuttle bus service that connects residents of the NW Bronx to the Spuyten Duyvil and Riverdale Metro North train stations. A python script was written to take the data files as input, process them and create a spatial layer in the local state plane coordinate reference system. The unique ID is stop_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

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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

City of New York

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT CONTAINS THE RESOURCE true

WEST LONGITUDE -73.921455

EAST LONGITUDE -73.896424

NORTH LATITUDE 40.912497

SOUTH LATITUDE 40.878225

TEMPORAL EXTENT

BEGINNING DATE 2017-01-10 00:00:00

ENDING DATE

INDETERMINATE TIME unknown

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT CONTAINS THE RESOURCE true

WEST LONGITUDE -73.921455

EAST LONGITUDE -73.896424

NORTH LATITUDE 40.912497

SOUTH LATITUDE 40.878225

SUPPLEMENTAL INFORMATION

The GEOID field contains the ANSI / FIPS state-county code that indicates the location of the feature.

POINT OF CONTACT - 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

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Spatial Representation - Vector

LEVEL OF TOPOLOGY FOR THIS DATASET geometryOnly

GEOMETRIC OBJECTS

OBJECT TYPE point

OBJECT COUNT 23

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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 point 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. A python script was written to take the text files as input, process them and create a spatial layer. The text file used for point geometry creation is 'stops.txt'; it provides geographically referenced data for the stops in the form of points. The shuttle bus stops were extracted from the Metro North stops file. Counties from the Census TIGER files were spatially joined to the transit features, so that every transit feature was assigned the state-county ANSI FIPS code (GEOID) to indicate its location. 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 stop_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.

SOURCE DATA

LEVEL OF THE SOURCE DATA Metropolitan Transportation Authority

SOURCE CITATION

TITLE MTA NYC Transit Stops File

PUBLICATION DATE 2017-01-10

SOURCE DATA

LEVEL OF THE SOURCE DATA US Census 2014 TIGER Line Shapefiles

SOURCE CITATION
TITLE US Census 2014 TIGER Line Shapefiles

PUBLICATION DATE 2014-08-19

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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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ADDRESS
DELIVERY POINT Newman Library, Baruch CUNY
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FORMAT
NAME Shapefile
VERSION
NIL REASON missing

TRANSFER OPTIONS
TRANSFER SIZE 0.001

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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
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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 5EEFBC42-B50F-4240-9694-2C60419BB523
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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