

Metadata format: ISO 19139**Bronx Bus Stops, New York NY, May 2016****ISO 19139 metadata content**

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Resource Identification Information

CITATION

TITLE Bronx Bus Stops, New York NY, May 2016

PUBLICATION DATE 2016-05-19

EDITION may2016

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 transportation, structure

PLACE KEYWORDS

KEYWORDS City of New York, 2395220, Borough of Bronx, 978756, Borough of Manhattan, 979190

THESAURUS

TITLE Geographic Names Information Service (GNIS)

ALTERNATE TITLES ANSI INCITTS 446:2008

PUBLICATION DATE 2008-01-01

PLACE KEYWORDS

KEYWORDS Bronx County, 36005, New York County, 36061, Westchester County, 36119

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 2016

THEME KEYWORDS
KEYWORDS Buses, Bus stops, 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 (individual locations where one or more buses make stops) for the MTA NYC Transit Bronx bus routes. A python script was written to take the data files as input and plot and save them as a spatial layer in the local state plane coordinate reference system. In some cases the layer may include stops for routes that originate in a different borough, and in other cases may be missing certain stops for routes that are largely contained in a neighboring borough. 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 10.2.0.3348

EXTENT

EXTENT DESCRIPTION

City of New York

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT CONTAINS THE RESOURCE true

WEST LONGITUDE -73.960178

EAST LONGITUDE -73.783125

NORTH LATITUDE 40.91241

SOUTH LATITUDE 40.799483

TEMPORAL EXTENT

BEGINNING DATE 2016-03-24 00:00:00

ENDING DATE

INDETERMINATE TIME unknown

SUPPLEMENTAL INFORMATION

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

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 point
OBJECT COUNT 2203

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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 and plot and save them as a spatial layer. The text file used for plotting is 'stops.txt' and provides geographically referenced data for the stops in the form of points. The final layer was reprojected from NAD 83 to NY State Plane Long Island in feet. 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 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 2016-03-24

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
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FORMAT

NAME Shapefile

VERSION

NIL REASON missing

TRANSFER OPTIONS

TRANSFER SIZE 0.059

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Metadata Information

LAST UPDATE 2016-05-26

MAINTENANCE

UPDATE FREQUENCY biannually

MAINTENANCE NOTES This metadata record was updated by Janine Billadello in May 2016.

METADATA CONSTRAINTS

CONSTRAINTS

LIMITATIONS OF USE

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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 E1C7B323-A6A2-44D2-A619-46CD22472E86
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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