Bus Stops, New York NY, January 2017

ISO 19139 metadata content
- Resource Identification Information
- Spatial Representation Information
- Reference System Information
- Data Quality Information
- Distribution Information
- Metadata Information

Resource Identification Information

CITATION
TITLE 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, Borough of Brooklyn, 978759, Borough of Manhattan, 979190, Borough of Queens, 979404, Borough of Staten Island, 979522

THESAURUS
TITLE Geographic Names Information Service (GNIS)
ALTERNATE TITLES ANSI INCITTS 446:2008

PUBLICATION DATE 2008-01-01

PLACE KEYWORDS
KEYWORDS Bronx County, 36005, Kings County, 36047, New York County, 36061, Queens County, 36081, Richmond County, 36085
This point layer was created from the GTFS data feeds from the Metropolitan Transportation Authority (MTA). It represents the local bus stop locations (individual locations where one or more buses make stops) for the MTA NYC Transit bus routes. A python script was written to take the data files as input and process them to 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.

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.

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
distributed by Baruch College CUNY, no warranty expressed or implied is made by the College or University as to the accuracy of the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the College or University in the use of this data, or related materials. This data was derived from Metropolitan Transportation Authority (MTA) sources; it is NOT directly created, maintained, or endorsed by the MTA. The MTA should not be approached with inquiries about this dataset as they are in no way responsible for it. Since this data is a derivative of MTA data sources, it is subject to the terms and conditions presented here: http://web.mta.info/developers/developer-data-terms.html#data.

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 -74.040963
EAST LONGITUDE -73.779182
NORTH LATITUDE 40.762565
SOUTH LATITUDE 40.572425

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 -74.253549
EAST LONGITUDE -73.700675
NORTH LATITUDE 40.912417
SOUTH LATITUDE 40.502873

TEMPORAL EXTENT
BEGINNING DATE 2017-01-09 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
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
Spatial Representation - Vector

LEVEL OF TOPOLOGY FOR THIS DATASET  geometryOnly
GEOMETRIC OBJECTS
   OBJECT TYPE  point
   OBJECT COUNT  15167

Reference System Information

REFERENCE SYSTEM IDENTIFIER
   VALUE  2263

CODESPACE  EPSG
   VERSION  10.2

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 for each borough as input, process them and create a spatial layer for entire New York City. The text files used for point geometry creation are 'stops.txt' and they provides geographically referenced data for the stops in the form of points. Information from additional files, stop_times.txt and trips.txt was joined to the created geometry based on common field to obtain an id of the routes that stop at the bus station. The route id was used to separate local bus routes stops from stops for express bus routes. Stops that are shared by both local and express busses were duplicated so that they appear in both files. Counties from the Census TIGER files were spatially joined to the bus stops, so that every bus stop is assigned the state-county ANSI FIPS code (GEOID) to indicate its location. Stops for each borough were joined into a single New York City stops layer. 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 2017-01-09

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

Distribution Information

DISTRIBUTOR
DISTRIBUTOR INFORMATION - 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

FORMAT
NAME Shapefile
VERSION
NIL REASON missing

TRANSFER OPTIONS
TRANSFER SIZE 0.126

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

Back to Top
METADATA CONSTRAINTS
LEGAL CONSTRAINTS
ACCESS CONSTRAINTS licenseUnrestricted

USE CONSTRAINTS license

METADATA CONTACT - 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

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 2D063420-515F-489E-A232-0DD9FA06EC4C
URI OF THE DATA DESCRIBED BY THE METADATA
https://www.baruch.cuny.edu/confluence/display/geoportal/NYC+Mass+Transit+Spatial+Layers

Back to Top