Express Bus Stops, New York NY, Nov 2018

ISO 19139 metadata content

- Resource Identification Information
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- Data Quality Information
- Distribution Information
- Metadata Information

Resource Identification Information

CITATION

TITLE Express Bus Stops, New York NY, Nov 2018

PUBLICATION DATE 2018-11-30

EDITION nov2018

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 express bus stop locations (individual locations where one or more buses make stops) for the MTA NYC Transit bus routes. Express busses are long-distance coaches that take passengers from areas of the outer boroughs to midtown and downtown Manhattan and back, with limited stops. 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. You are free...
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RESOURCE CONSTRAINTS
LEGAL CONSTRAINTS
ACCESS CONSTRAINTS licenseUnrestricted

USE CONSTRAINTS license

SPATIAL REPRESENTATION TYPE vector

PROCESSING ENVIRONMENT Version 6.2 (Build 9200); Esri ArcGIS 10.4.1.5686

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 2018-10-18 00:00:00
ENDING DATE INDETERMINATE TIME unknown

EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT CONTAINS THE RESOURCE true
WEST LONGITUDE -74.253632
EAST LONGITUDE -73.700507
NORTH LATITUDE 40.933682
SOUTH LATITUDE 40.502871

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
Spatial Representation - Vector

**LEVEL OF TOPOLOGY FOR THIS DATASET** geometryOnly

**GEOMETRIC OBJECTS**
- **OBJECT TYPE** point
- **OBJECT COUNT** 1936

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. The text files used for point geometry creation are 'stops.txt' and they provide 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.
Distribution Information

DISTRIBUTOR

DISTRIBUTOR INFORMATION - POINT OF CONTACT

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

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DELIVERY POINT Newman Library, Baruch CUNY
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CITY New York
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POSTAL CODE 10010
COUNTRY UNITED STATES

FORMAT

NAME Shapefile
VERSION
NIL REASON missing

TRANSFER OPTIONS

TRANSFER SIZE 0.126

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Metadata Information

LAST UPDATE 2018-11-30
MAINTENANCE UPDATE FREQUENCY biannually

MAINTENANCE NOTES This metadata record was updated by Frank Donnelly in November 2018.

Metadata constraints

CONSTRAINTS
LIMITATIONS OF USE
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**METADATA CONTACT - POINT OF CONTACT**

**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**

**METADATA LANGUAGE**  English

**METADATA CHARACTER SET**  utf8

**NAME OF THE METADATA STANDARD USED**  NAP - Metadata

**VERSION OF THE METADATA STANDARD**  1.2

**METADATA IDENTIFIER**  8ABB6D02-E5B9-45C3-A040-618E23F12963

**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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