

# node

## File Geodatabase Feature Class

### Tags

Transportation, Manhattan, New York, Roads, Streets, Staten Island, Brooklyn, New York City, LION, Bronx, Highway, Richmond, Queens, Kings, transportation, LIONdistricts, Monthly

### Summary

These nodes created by the Department of City Planning to aid city agencies in administering public services.

### Description

Nodes represent the locations of any combination or intesection of linear features in New York City (a topological junction). A node occurs wherever two or more linear features cross regardless of whether a physical intersection occurs at that point.

### Credits

Department of City Planning

### Use limitations

The Department of City Planning make no representation as to the accuracy of the information or its suitability for any purposes. The Department and the City disclaim any liability for errors that may be contained herein.

**Extent**

**West** -74.260380    **East** -73.699206  
**North** 40.917691    **South** 40.485808

**Scale Range**

**Maximum (zoomed in)** 1:5,000  
**Minimum (zoomed out)** 1:150,000,000

**ArcGIS Metadata** ▶**Topics and Keywords** ▶

THEMES OR CATEGORIES OF THE RESOURCE    transportation

\* CONTENT TYPE    Downloadable Data

PLACE KEYWORDS    Manhattan, New York, Staten Island, Brooklyn, New York City, Bronx, Richmond, Queens, Kings

THEME KEYWORDS    Transportation, Roads, Streets, LION, Highway, transportation

*Hide Topics and Keywords* ▲

**Citation** ▶

\* TITLE    node

CREATION DATE    7/8/2020

PUBLICATION DATE    8/3/2020

EDITION    20C

PRESENTATION FORMATS    \* digital map

SERIES

NAME    BYTES of the BIG APPLE

ISSUE    20C

*Hide Citation* ▲

**Citation Contacts** ▶

RESPONSIBLE PARTY

ORGANIZATION'S NAME    New York City Dept. of City Planning

CONTACT'S ROLE    publisher

CONTACT INFORMATION ▶

ADDRESS

DELIVERY POINT    New York City

*Hide Contact information* ▲

RESPONSIBLE PARTY

ORGANIZATION'S NAME    City of New York Department of City Planning

CONTACT'S ROLE    originator

[Hide Citation Contacts ▲](#)

## Resource Details ►

DATASET LANGUAGES English (UNITED STATES)  
 DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS completed  
 SPATIAL REPRESENTATION TYPE \* vector

\* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.6.0.8321

### CREDITS

Department of City Planning

### ARCGIS ITEM PROPERTIES

\* NAME node  
 LOCATION withheld  
 \* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

## Extents ►

### EXTENT

DESCRIPTION  
 ground condition

### EXTENT

GEOGRAPHIC EXTENT  
 BOUNDING RECTANGLE  
 EXTENT TYPE Extent used for searching  
 \* WEST LONGITUDE -74.260380  
 \* EAST LONGITUDE -73.699206  
 \* NORTH LATITUDE 40.917691  
 \* SOUTH LATITUDE 40.485808  
 \* EXTENT CONTAINS THE RESOURCE Yes

### EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE 912287.068921  
 \* EAST LONGITUDE 1067382.508136  
 \* SOUTH LATITUDE 116411.371612  
 \* NORTH LATITUDE 273617.843258  
 \* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

## Resource Points of Contact ►

### POINT OF CONTACT

ORGANIZATION'S NAME Department of City Planning  
 CONTACT'S ROLE point of contact

### CONTACT INFORMATION ►

ADDRESS

TYPE both  
DELIVERY POINT 120 Broadway, 31st Floor  
CITY New York  
ADMINISTRATIVE AREA NY  
POSTAL CODE 10271  
COUNTRY US

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

## Resource Maintenance ►

RESOURCE MAINTENANCE  
UPDATE FREQUENCY quarterly

[Hide Resource Maintenance ▲](#)

## Resource Constraints ►

LEGAL CONSTRAINTS  
OTHER CONSTRAINTS  
LION is freely available to the public.

CONSTRAINTS  
LIMITATIONS OF USE

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[Hide Resource Constraints ▲](#)

## Spatial Reference ►

ARCGIS COORDINATE SYSTEM  
\* TYPE Projected  
\* GEOGRAPHIC COORDINATE REFERENCE GCS\_North\_American\_1983  
\* PROJECTION NAD\_1983\_StatePlane\_New\_York\_Long\_Island\_FIPS\_3104\_Feet

## \* COORDINATE REFERENCE DETAILS

## PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102718

X ORIGIN -120039300

Y ORIGIN -96540300

XY SCALE 3048.0062301863672

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 0.00328083336353302

Z TOLERANCE 0.001

M TOLERANCE 0.001

HIGH PRECISION true

LATEST WELL-KNOWN IDENTIFIER 2263

WELL-KNOWN TEXT PROJCS

["NAD\_1983\_StatePlane\_New\_York\_Long\_Island\_FIPS\_3104\_Feet",GEOGCS

["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID

["GRS\_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT

["Degree",0.0174532925199433]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER

["False\_Easting",984250.0],PARAMETER["False\_Northing",0.0],PARAMETER

["Central\_Meridian",-74.0],PARAMETER

["Standard\_Parallel\_1",40.666666666666666],PARAMETER

["Standard\_Parallel\_2",41.033333333333333],PARAMETER

["Latitude\_Of\_Origin",40.166666666666666],UNIT

["Foot\_US",0.3048006096012192],AUTHORITY["EPSG",2263]]

## REFERENCE SYSTEM IDENTIFIER

\* VALUE 2263

\* CODESPACE EPSG

\* VERSION 5.3(9.0.0)

[Hide Spatial Reference ▲](#)**Spatial Data Properties ►**

## VECTOR ►

\* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

## GEOMETRIC OBJECTS

FEATURE CLASS NAME node

\* OBJECT TYPE point

\* OBJECT COUNT 132959

[Hide Vector ▲](#)

## ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME node

\* FEATURE TYPE Simple

\* GEOMETRY TYPE Point

\* HAS TOPOLOGY FALSE

\* FEATURE COUNT 132959

\* SPATIAL INDEX TRUE

\* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

## Data Quality ►

SCOPE OF QUALITY INFORMATION ►  
 RESOURCE LEVEL **dataset**

[Hide Scope of quality information ▲](#)

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY ►  
 DIMENSION **horizontal**

MEASURE DESCRIPTION

The LION file is spatially aligned with NYCMaP aerial photography.

[Hide Data quality report - Absolute external positional accuracy ▲](#)

[Hide Data Quality ▲](#)

## Distribution ►

DISTRIBUTOR ►

CONTACT INFORMATION

ORGANIZATION'S NAME **New York City Dept. of City Planning**  
 CONTACT'S ROLE **distributor**

CONTACT INFORMATION ►

ADDRESS

TYPE **both**  
 DELIVERY POINT **120 Broadway, 31st Floor**  
 CITY **New York**  
 ADMINISTRATIVE AREA **NY**  
 POSTAL CODE **10271**  
 COUNTRY **US**

[Hide Contact information ▲](#)

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

VERSION **16D**

\* NAME **File Geodatabase Feature Class**

TRANSFER OPTIONS

ONLINE SOURCE

LOCATION **https://www1.nyc.gov/site/planning/data-maps/open-data.page**

[Hide Distribution ▲](#)

## Fields ▶

### DETAILS FOR OBJECT [node](#) ▶

- \* TYPE Feature Class
- \* ROW COUNT 132959

#### FIELD [OBJECTID](#) ▶

- \* ALIAS FID
- \* DATA TYPE OID
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0
- \* FIELD DESCRIPTION  
Internal feature number.
- \* DESCRIPTION SOURCE  
Esri
- \* DESCRIPTION OF VALUES  
Sequential unique whole numbers that are automatically generated.

[Hide Field OBJECTID](#) ▲

#### FIELD [NODEID](#) ▶

- \* ALIAS NODEID
- \* DATA TYPE Integer
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0
- \* FIELD DESCRIPTION  
The NODEID of the node at which the segments intersect.
- \* DESCRIPTION SOURCE  
CSCL database of DOITT

[Hide Field NODEID](#) ▲

#### FIELD [Shape](#) ▶

- \* ALIAS Shape
- \* DATA TYPE Geometry
- \* WIDTH 0
- \* PRECISION 0
- \* SCALE 0
- \* FIELD DESCRIPTION  
Feature geometry.
- \* DESCRIPTION SOURCE  
ESRI
- \* DESCRIPTION OF VALUES  
Coordinates defining the features.

[Hide Field Shape ▲](#)

FIELD **VIntersect** ▶

- \* ALIAS **VIntersect**
- \* DATA TYPE **String**
- \* WIDTH **254**
- \* PRECISION **0**
- \* SCALE **0**

FIELD DESCRIPTION

The value of this field is labeled as "VirtualIntersection" if the node is listed in both VirtualIntersestion table and the StreetsHaveIntersection table in CSCL database

DESCRIPTION SOURCE

Department of City Planning, NYC

[Hide Field VIntersect ▲](#)

[Hide Details for object node ▲](#)

[Hide Fields ▲](#)

## Metadata Details ▶

METADATA LANGUAGE **English (UNITED STATES)**  
 METADATA CHARACTER SET **utf8 - 8 bit UCS Transfer Format**

SCOPE OF THE DATA DESCRIBED BY THE METADATA **dataset**  
 SCOPE NAME **\* dataset**

\* LAST UPDATE **2020-07-22**

ARCGIS METADATA PROPERTIES

METADATA FORMAT **ArcGIS 1.0**  
 STANDARD OR PROFILE USED TO EDIT METADATA **FGDC**

CREATED IN ARCGIS FOR THE ITEM **2020-07-16 15:34:00**  
 LAST MODIFIED IN ARCGIS FOR THE ITEM **2020-07-22 13:55:04**

AUTOMATIC UPDATES

HAVE BEEN PERFORMED **Yes**  
 LAST UPDATE **2020-07-22 13:55:04**

[Hide Metadata Details ▲](#)

## Metadata Contacts ▶

METADATA CONTACT

ORGANIZATION'S NAME **Department of City Planning**  
 CONTACT'S ROLE **point of contact**

CONTACT INFORMATION ▶

ADDRESS  
 TYPE **both**



DELIVERY POINT 120 Broadway, 31st Floor  
CITY New York  
ADMINISTRATIVE AREA NY  
POSTAL CODE 10271

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

## Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY quarterly

[Hide Metadata Maintenance ▲](#)

## Thumbnail and Enclosures ►

ENCLOSURE

ENCLOSURE TYPE File

DESCRIPTION OF ENCLOSURE original metadata

ORIGINAL METADATA DOCUMENT, WHICH WAS TRANSLATED yes

SOURCE METADATA FORMAT fgdc

[Hide Thumbnail and Enclosures ▲](#)