

Major Roads



Tags

Roads, Transportation Infrastructure, USDOT, NHPN, Highway Planning Network, NTAD, National Transportation Atlas, US, United States

Summary

The primary purpose of this geospatial data set is to serve the FHWA needs in highway planning, policy analysis, visualization of the Highway Performance Monitoring System (HPMS) database and network modelling.

Description

The NHPN is a Geographical Information System (GIS) database that contains line features representing over 450,000 miles of current and planned highways in the United States, including the National Highway System (NHS), the Strategic Highway Network (STRANET), and rural minor arterial. The current NHPN contains a set of data attributes that are suited to analytical modelling of large-scale transportation activities. This dataset is part of the National Transportation Atlas Database (NTAD).

Credits

Assistant Secretary for Research and Technology/Bureau of Transportation Statistics (BTS) National Transportation Atlas Database (NTAD), and the Federal Highway Administration (FHWA).

Use limitations

There are no access and use limitations for this item.

Extent

There is no extent for this item.

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

Citation

TITLE Major Roads

PUBLICATION DATE 2019-05-13

Citation Contacts

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Jim Kuiper

ORGANIZATION'S NAME Argonne National Laboratory

CONTACT'S ROLE distributor

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TYPE postal

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CITY Lemont

ADMINISTRATIVE AREA Illinois

POSTAL CODE 60439

COUNTRY US

E-MAIL ADDRESS jkuiper@anl.gov

Resource Details

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS completed

CREDITS

Assistant Secretary for Research and Technology/Bureau of Transportation Statistics (BTS)
National Transportation Atlas Database (NTAD), and the Federal Highway Administration (FHWA).

ARCGIS ITEM PROPERTIES

* NAME road_centerline_v7

* SIZE 245.450

* ACCESS PROTOCOL Local Area Network

Extents

EXTENT

TEMPORAL EXTENT

DATE AND TIME 2019-05-13

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -18519734.100200

* EAST LONGITUDE -7456184.614000

* SOUTH LATITUDE 2144900.145700

* NORTH LATITUDE 11512674.407900

* EXTENT CONTAINS THE RESOURCE Yes

Resource Points of Contact

POINT OF CONTACT

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Resource Maintenance

RESOURCE MAINTENANCE

UPDATE FREQUENCY unknown

Spatial Reference

ARCGIS COORDINATE SYSTEM

- * TYPE **Projected**
- * GEOGRAPHIC COORDINATE REFERENCE **GCS_WGS_1984**
- * PROJECTION **WGS_1984_Web_Mercator_Auxiliary_Sphere**
 - * **COORDINATE REFERENCE DETAILS**

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102100
X ORIGIN -22041545.367140558
Y ORIGIN -33272760.666300893
XY SCALE 135368852.55357128
Z ORIGIN -100000
Z SCALE 10000
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 0.001
Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
LATEST WELL-KNOWN IDENTIFIER 3857
WELL-KNOWN TEXT PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Mercator_Auxiliary_Sphere"],PARAMETER["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",0.0],PARAMETER["Standard_Parallel_1",0.0],PARAMETER["Auxiliary_Sphere_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]

Fields

DETAILS FOR OBJECT **road_centerline_v7**

- * TYPE **Feature Class**
- * ROW COUNT 626366

FIELD **OBJECTID_1**

- * ALIAS **OBJECTID_1**
- * 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.

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.

FIELD OBJECTID

- * ALIAS OBJECTID
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD YEAR_RECOR

- * ALIAS YEAR_RECOR
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD ROUTE_ID

- * ALIAS ROUTE_ID
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD BEGIN_POIN

- * ALIAS BEGIN_POIN
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD END_POINT

- * ALIAS END_POINT
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD F_SYSTEM

- * ALIAS F_SYSTEM
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD FACILITY_T

- * ALIAS FACILITY_T
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD URBAN_CODE

- * ALIAS URBAN_CODE
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD RECTYPE

- * ALIAS RECTYPE
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD VERSION

- * ALIAS VERSION
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD RECID

- * ALIAS RECID
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD ORIGID

- * ALIAS ORIGID
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD CTFIPS

- * ALIAS CTFIPS
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD SOURCE

- * ALIAS SOURCE
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD LGURB

- * ALIAS LGURB
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD SMURB

- * ALIAS SMURB
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD SIGN1

- * ALIAS SIGN1
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD SIGNT1

- * ALIAS SIGNT1
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD SIGNN1

- * ALIAS SIGNN1
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD SIGNQ1

- * ALIAS SIGNQ1
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD SIGN2

- * ALIAS SIGN2
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD SIGNT2

- * ALIAS SIGNT2
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD SIGNN2

- * ALIAS SIGNN2
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD SIGNQ2

- * ALIAS SIGNQ2
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD SIGN3

- * ALIAS SIGN3
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD SIGNT3

- * ALIAS SIGNT3
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD SIGNN3

- * ALIAS SIGNN3
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD SIGNQ3

- * ALIAS SIGNQ3
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD LNAME

- * ALIAS LNAME
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD MILES

- * ALIAS MILES
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD KM

- * ALIAS KM
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD FCLASS

- * ALIAS FCLASS
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD RUCODE

- * ALIAS RUCODE
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD STATUS

- * ALIAS STATUS
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD NHS

- * ALIAS NHS
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD STRAHNET

- * ALIAS STRAHNET
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD FAC_ID

- * ALIAS FAC_ID
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD CONN_ID

- * ALIAS CONN_ID
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD CONN_DES

- * ALIAS CONN_DES
- * DATA TYPE String
- * WIDTH 202
- * PRECISION 0
- * SCALE 0

FIELD CONN_MILES ►

- * ALIAS CONN_MILES
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD LRSKEY

- * ALIAS LRSKEY
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD LRSSEQ

- * ALIAS LRSSEQ
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD BEGMP

- * ALIAS BEGMP
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD ENDMP

- * ALIAS ENDMP
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD STFIPS

- * ALIAS STFIPS
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD Shape_Leng

- * ALIAS Shape_Leng
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD Shape_Length

- * ALIAS Shape_Length
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Length of feature in internal units.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

Metadata Details

METADATA LANGUAGE English
METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format
SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset
LAST UPDATE 2019-05-13
ARCGIS METADATA PROPERTIES
METADATA FORMAT ArcGIS 1.0
METADATA STYLE FGDC CSDGM Metadata
STANDARD OR PROFILE USED TO EDIT METADATA FGDC
CREATED IN ARCGIS FOR THE ITEM 2019-05-13
LAST MODIFIED IN ARCGIS FOR THE ITEM 2019-05-13
AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2019-05-13

Metadata Contacts

METADATA CONTACT
INDIVIDUAL'S NAME Jim Kuiper
ORGANIZATION'S NAME Argonne National Laboratory
CONTACT'S ROLE user
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POSTAL CODE 60439
COUNTRY US
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Metadata Maintenance

MAINTENANCE
UPDATE FREQUENCY as needed